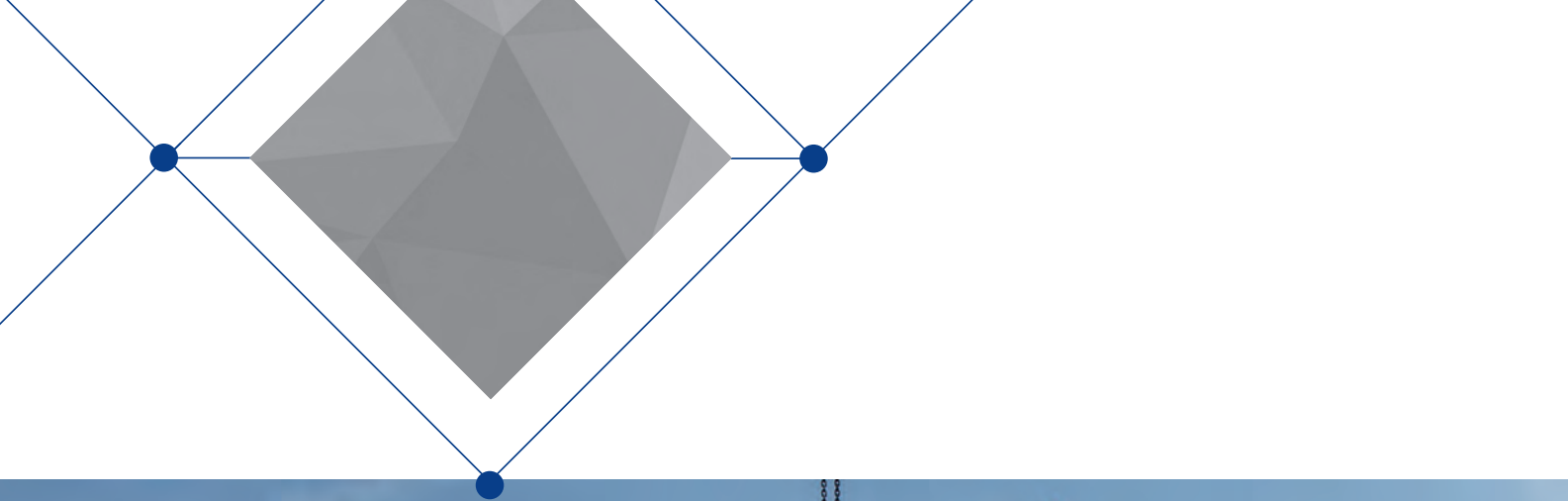




2025

PRODUCT CATALOGUE

PROFESSIONAL BUILDING SOLUTIONS



SELENA GROUP



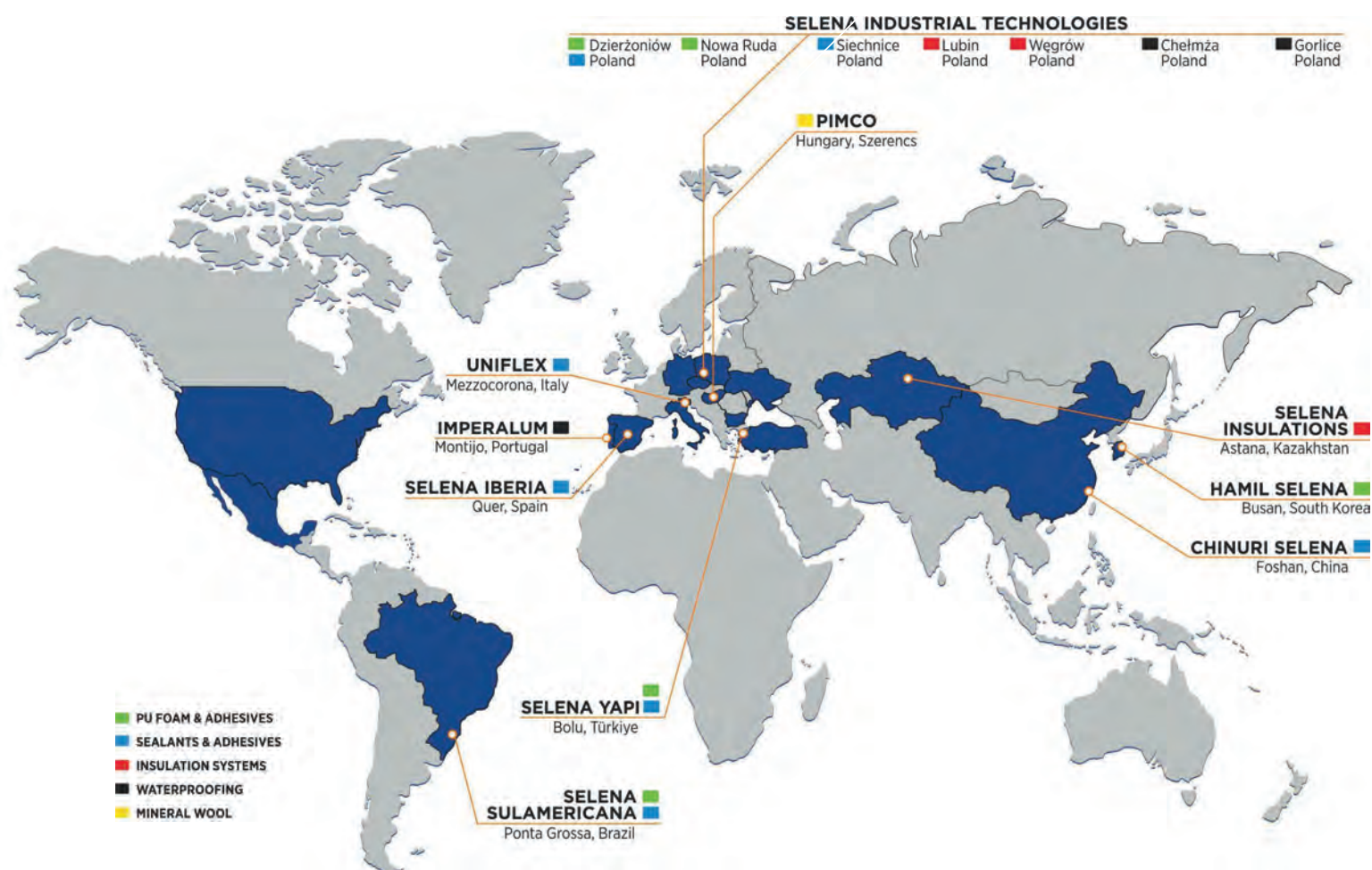
Our mission is to provide products and solutions for modern construction and to develop our cooperation with professional builders.

Selena Group is a global leader and distributor of construction chemicals and one of the four largest producers of polyurethane foam in the world. Selena was founded in 1992 in Wrocław, Poland. At present about 2000 employees around the world work for Selena Group. The Group's product range includes foams, sealants, adhesives, waterproofing products, insulation systems, fastenings and complementary products. The Group comprises 35 companies in 18 countries. The Group's manufacturing plants are located in Dzierżoniów in Poland as well as in Italy, South Korea, China, Romania, Turkey, Spain and Kazakhstan. Selena's main R&D centre is Selena Labs. It is located in Dzierżoniów in the "INVEST-PARK" Wałbrzych Special Economic Zone and coordinates the activities of R&D units in Poland, Italy, Spain, Turkey and China. In this way, the globally integrated team works closely together, sharing experience and developing solutions for professional users in almost 100 countries around the world. With its international experience gained in diverse markets, Selena Group can grow fast as an innovative company that develops new solutions adapted to the increasing needs of its users.

In accordance with the needs of users and the megatrends of the modern world, Selena Group is focusing increasingly on pro-environmental and sustainable development activities. When developing new solutions, Selena Group places emphasis on three aspects: safety – of the people who will live or work in given buildings; natural environment – in terms of direct contact by workers and inhabitants, but in a broader sense in the context of environmental impact of the materials production process or the construction process, among other things; and construction efficiency – understood as the speed of development.

Selena Group has received multiple awards in the most prestigious rankings. The company was recognised by the President of Poland in the category "Sustainable Success" of the Polish President's Economic Awards competition and received the accolade "Teraz Polska" for the Tytan Professional 60 SECONDS foam-adhesives and in the category "Foreign Investment". Selena's modern products of highest quality are appreciated on four continents. The Group's portfolio is topped by such outstanding brands as Tytan Professional, Quilosa, Artelit and Matizol. In April 2008, the shares of Selena FM SA, the Group's holding entity, were admitted to trading on Warsaw Stock Exchange.

SELENA WORLDWIDE



POLAND

Selena FM S.A.
Selena S.A.
Selena Industrial Technologies Sp. z o.o.
Carina Silicones Sp. z o.o.
Izolacja Matizol Sp. z o.o.
Libra Sp. z o.o.
Orion PU Sp. z o.o.
Selena Labs Sp. z o.o.
Selena Marketing International Sp. z o.o.
Taurus Sp. z o.o.
Tytan EOS Sp. z o.o.
Oligo Sp. z o.o.

EASTERN EUROPE & CENTRAL ASIA

OOO Selena Vostok
TOB Selena Ukraina
TOO Selena Insulations
TOO Selena CA

AMERICAS

Selena Sulamericana Indústria e Comércio
de Produtos Químicos
Selena USA, Inc.
Selena Mexico S. de R.L. de C.V.

WESTERN EUROPE

Selena Iberia, S.L.U.
Selena Deutschland GmbH
Uniflex
Selena Italia SRL

ASIA

Selena Nantong Building Materials Co., Ltd.
Foshan Chinuri Selena Chemical Co., Ltd.
Hamil Selena Co., Ltd.
House Selena

CENTRAL EUROPE

Selena Bulgaria EOOD
Selena Bohemia S.R.O.
Selena Hungaria K.F.T.
Selena Romania SRL
Euro MGA Product SRL

MIDDLE EAST

Selena Yapi Malzemeleri Sanayi Ve Ticaret
Limited Şirketi
Polyfoam Yalıtım Sanayi ve Tic S Ltd. Stil.

2008
listed on
WSE
Listed on the Warsaw
Stock Exchange



TYTAN PROFESSIONAL
Build with confidence

Tytan Professional offers a wide range of products designed for construction and finishing works: polyurethane foams, sealants, adhesives, wood preservatives, tapes, waterproofing compounds, insulation systems, mortars, plasters, paints and much more. Tytan provides comprehensive and effective solutions for every stage of the construction or renovation process. For this reason, Tytan-branded products enjoy a reputation among professionals in more than 30 countries worldwide.



COOL-R
Cooling & waterproofing

COOL-R is a highly reflective waterproofing coating, recommended for new and existing flat roofs. It creates a seamless, durable and waterproof layer, with an innovative and unique cooling feature. Use of COOL-R on the roof reduces temperature inside the building (by reducing the temperature of the roof), which improves thermal comfort. In addition, building owners can reduce their electricity consumption for air conditioning, thus reducing the maintenance costs.



ARTELIT PROFESSIONAL
Flooring systems

Artelit Professional is a system of professional products for installation of parquet flooring and carpets: parquet and carpet adhesives, levelling compounds, varnishes, primers and more. The Artelit system is designed for a full range of tasks: from substrate preparation to bonding the carpet or parquet, to finishing and maintenance. The expertise and experience of Artelit's technical advisors guarantees professional support in the selection of technology and products.



QUILOSA
Future built on experience

Quilosa is a leading Spanish brand with 80 years of experience in the development and distribution of chemical products. The first Quilosa adhesives were marketed in the 1940s. Today the brand features a broad range of products for the construction sector and industry in general, as well as for DIY users: adhesives, sealants, PU foams, chemical anchors, mortars and much more. Quilosa products are available across the Iberian Peninsula, in Latin and North America.



MATIZOL
Professional waterproofing

Matizol offers specialist solutions for the waterproofing of flat or sloping roofs and foundations. Matizol includes a wide range of asphalt membranes – from traditional to SBS modified – as well as bituminous shingles, shingle underlays and shingle adhesives. Matizol membranes and shingles provide superior waterproofing, suitable for construction projects as well as renovation works.



R&D

– AN AGILE INTERNATIONAL TEAM IS OUR KEY TO SUCCESS!

Selena Labs is the main R&D centre for Selena Group. It is located in the city of Dzierżoniów, Poland in the "INVEST-PARK" Wałbrzych Special Economic Zone. With a value of PLN 8 million and usable area of more than 4,000 m², the project significantly increased the company's ability to develop construction chemicals with unique parameters and place them on global markets. The laboratory coordinates the activities of R&D units from Poland, Italy, Spain, Turkey and China. In this way, the globally integrated team works closely together, sharing experience and developing solutions for professional users in more than 100 countries around the world.

Furthermore, Selena Labs also participates in projects carried out under the Horizon 2020 program, and is the first Polish company to lead a project implemented by an international consortium. Under the BioMotive project, the centre received a grant for developing and implementing a system of polyurethane foams and foam adhesives with advanced insulation properties. It is a project designed to pave the ground for the production and subsequent sale of components based on biorenewable, crop-based raw materials. This is a part of Horizon 2020, the largest research and innovation funding program in the history of the European Union, with a budget of nearly EUR 80 billion.

In the context of our new business assumptions, we concentrated on developing comprehensive solutions for end-users. The added value we want to particularly focus on, in connection with the shortage of labour, is the possibility of speeding up construction work while maintaining the highest quality. Thanks to our synergy in terms of market knowledge and understanding of the needs of end-users in our international divisions, combined with the know-how of our R&D team, we intend to market products that will redefine the construction process.



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88

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& BALCONIES

112

FIRESTOP

254

FOUNDATIONS



- We provide solutions for all types of ground condition
- We offer only well-tested systems and products
- We provide technical support and advice



Waterproofing of underground elements is a sensitive stage in the construction process, one where there is no return after completion. This is why the contractors say: "The foundations can be done only once".

Groundwater, precipitation, or temperature cycles pose a threat to foundations, which is why the highest quality in waterproofing is key. Limited access to the underground elements after the construction process is completed is quite a challenge, so it is essential that the materials used in them are of the highest quality and durability.

Selena offers a comprehensive choice of solutions to protect foundations against dampness. In our labs we have developed a wide array of technologies which enable us to provide a choice of products of the diversified ranges of application suited to the prevailing ground conditions.

The bitumen-based technology is the most popular waterproofing solution in Europe. Bitumen provides an ideal leak-tightness and durability. The chemical modifications developed in our laboratories (additives of rubber, polymers, aluminium, solvent bases, aqueous dispersions) extend their range of applications and improve their technical parameters. Selena is the manufacturer of numerous products using bitumen-based technology, including foundation insulation membranes, primers, compounds and coatings.

Thanks to the implementation of cement technologies we can also offer waterproofing solutions for the internal parts of buildings such as bathrooms and basements and for facilities which are constantly exposed to water, such as swimming pools, ponds and industrial water tanks.

Our systems are carefully tested and certified solutions, in compliance with rigorous technical norms. We develop and test them in consultation with contractors in order to meet their needs and fulfil the demands of everyday work.



FOUNDATIONS



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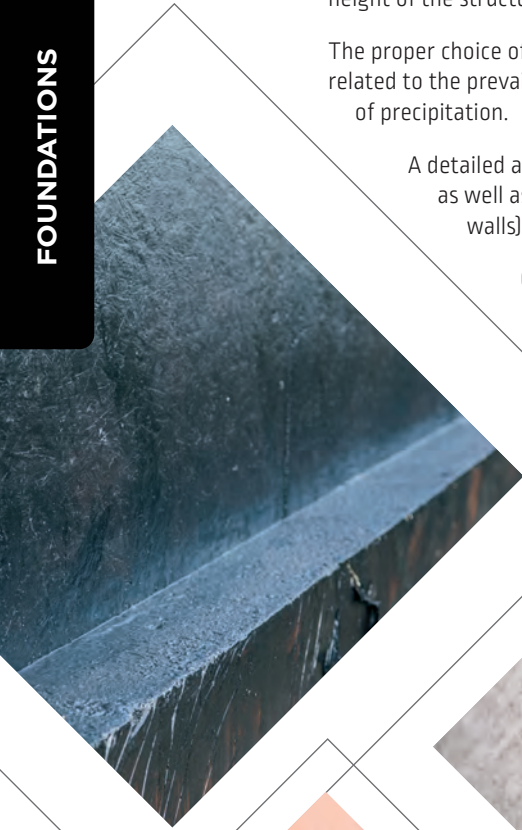
A strip footing is a load bearing element used in building structures. It can bear extreme loads, depending on the height of the structure. Proper securing of these element is a key aspect of every construction.

The proper choice of materials and technologies used for waterproofing of underground elements is strictly related to the prevailing ground conditions and the type of substrate, groundwater level and amount of precipitation.

A detailed analysis of these conditions is prerequisite to make the right choice of waterproofing materials as well as for the proper construction of the foundations (mats, strip foundations and foundation walls).

One major error in performing the waterproofing of the foundations is a mistake in the choice of technology in relation to the level of the groundwater. Such an error can lead to the dampness in the walls and foundation footings, the penetration of moisture into the basement, the formation of mould and fungi and the corrosion of the concrete.

The performance of a waterproofing coating is important, based on the choice of waterproofing materials. It is vital that a strict installation regime is maintained (in compliance with the guidelines provided by the manufacturer) and the technological breaks are observed. The connections between the vertical and horizontal insulation, the expansion joints and pipe passages, in other words any type of connection involving the waterproofing is an extremely sensitive area.



How can we choose suitable waterproofing?

In relation to the ground permeability and groundwater level we distinguish three types of foundation waterproofing:

- **light type (moisture resistant)**, which is used when there is high ground permeability but the level of groundwater is below the foundation seating level of a building;
- **medium type**, which is used when there low ground permeability (cohesive soils), and the level of groundwater fluctuates periodically depending on the amount of rainfall and remains at least 30 cm below the bottom of the foundation;
- **heavy type (water resistant)** , which is used when there is the constant pressure from the groundwater (the ground water level is higher than the level of foundations).

The determination of the required type of waterproofing is important in choosing the specific materials and technologies to ensure effective protection of the underground parts of buildings against the harmful effects of water.

Bituminous compounds

Bituminous compounds are applied to prime the substrate as well as to create a vertical moisture resistant barrier (light type). Bituminous compounds are characterized by high adhesion to most substrates. Their technical parameters depend on the additives used.

Two-component, thick-layer compounds

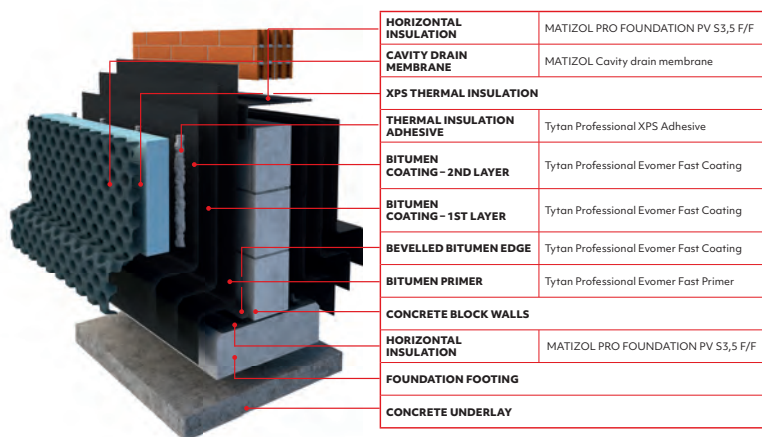
The two-component (polymer-bituminous) compounds are new generation products suitable for creating moisture resistant insulation that are also water resistant (waterproof). The essential advantage of the two-component compound is their high elasticity, even at low temperatures. They become resistant to precipitation as soon as 2 hours after application. They allow the backfilling of the foundations within 2 days of application, which means shorter exposure to the risk of damage.

Heat-sealed and self-adhesive membranes

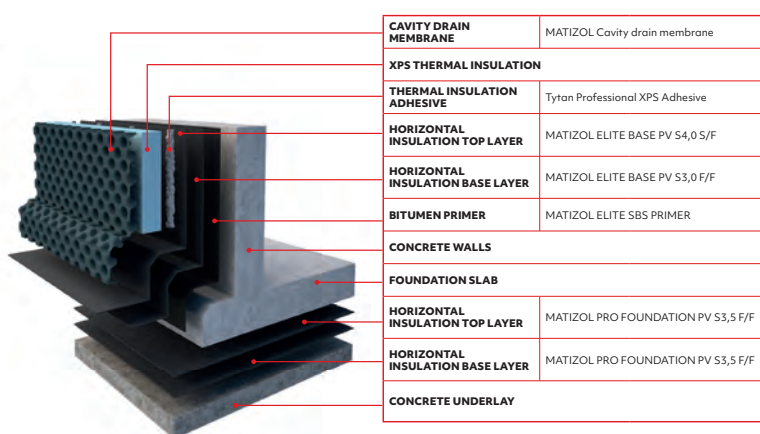
Bituminous membranes are the right choice for heavy type waterproofing. Modified with an SBS additive, they remain flexible at low temperatures while their adhesion to the substrate is excellent.

Some of the many advantages of the application of bituminous membranes are: the relative ease of maintaining an even thickness of the waterproofing layer and the possibility of immediate backfilling of the foundations.

Foundation membranes are based on a single or double-layer system for both horizontal and vertical insulation.



Bituminous masses should be applied to a depth of 3 m below ground level.



Anti-root membranes should be used in order to protect underground elements against the roots of trees and shrubs.

Horizontal insulation of foundations

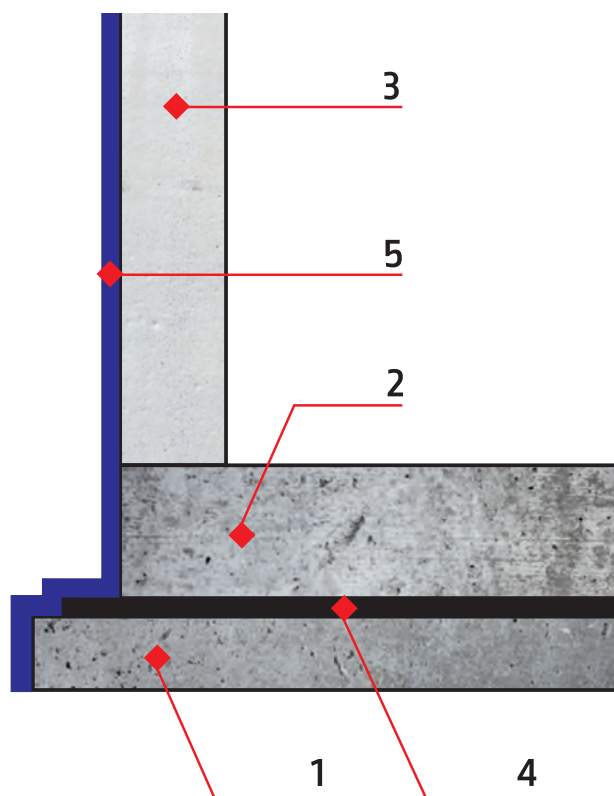
The horizontal insulation of the foundations serves to keep moisture in the lower part of the foundations and prevent it from permeating upwards. It protects the upper parts of the foundations against capillary absorptency, or an upward infiltration of dampness into the walls.

Vertical insulation of foundations

The vertical insulation of the foundation serves to separate the foundation walls from the moisture accumulated in the ground in the form of groundwater and rain water.

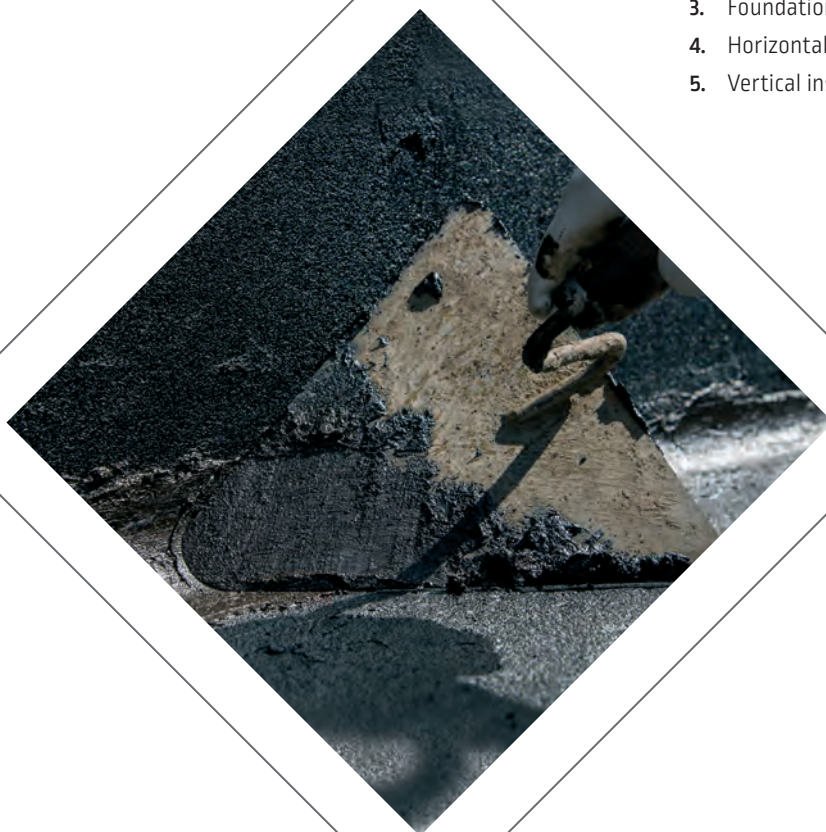
Underfloor waterproofing

The selection of the materials for underfloor waterproofing depends on the purpose of the lower floor of a building. Bituminous membranes are recommended for basements, garages and parking areas. In other cases, the use of solvent-free and oil-free materials is recommended, such as flexible sealing mortars.



Heavy insulation system for buildings with basements – seated on the mat

1. Substrate concrete
2. Bottom mat
3. Foundation wall
4. Horizontal insulation of the bottom mat
5. Vertical insulation





Evomer Fast Filler FAST DRYING BITUMINOUS-POLYMER ROOFING FILLER

Evomer Fast Filler is a dense bituminous-polymer mastic. Created to fill damage and cracks in roof coverings, gluing polystyrene boards and creating a facet on the joint between strip and foundation walls.



APPLICATIONS:

- Filling damage and cracks
- Spot repairs and sealing
- Fixing polystyrene boards

BENEFITS:

- Rain resistance up to 2 h*
- Permanently flexible
- Safe (no solvents)

* At a temperature of +20°C and 50% relative air humidity.

TECHNICAL PARAMETERS:

- Consistency: dense, liquid homogeneous, without inclusions
- Density: 1.15–1.25
- Consumption: 1.2 kg/m² at thickness 1 mm
- Application temperature: +5°C to +35°C
- Drying time: 2 mm per 24 h
- Rain resistance (+23°C/50% RH): after 2 h
- Elasticity at low temperatures (cold bending): -20°C
- Vertical flow resistance at increased temperature: +90°C
- Crack bridging: up to 2 mm

| Product name | Content | Packaging | Pieces per pallet |
|--|---------|----------------|-------------------|
| Evomer Fast Filler Fast Drying Bituminous-Polymer Roofing Filler | 1 kg | Plastic bucket | 324 |
| | 5 kg | Plastic bucket | 76 |

Evomer Fast Primer FAST DRYING BITUMINOUS-POLYMER PRIMER

Evomer Fast Primer is an innovative bitumen-polymer fast drying solution dedicated for preparing the roof and foundation surface before installation of waterproofing materials. Due to the polymerization technology, the primer features perfect adhesion and ensures full surface stability. Evomer Fast Primer does not contain any organic solvents, so it is non-flammable and safe for both polystyrene and the environment.



APPLICATIONS:

- Preparation of mineral, bitumen, wooden and steel surfaces prior to the installation of waterproof membranes

BENEFITS:

- Drying time within 20 min.
- High yield
- Safe (non-flammable, no solvents)

TECHNICAL PARAMETERS:

- Consistency: liquid, homogeneous, without inclusions
- Drying temperature at +23°C/50% RH on concrete: 20 min.
- Drying temperature +5°C/50% RH on concrete: 60 min.
- Drying temperature +23°C/50% RH on non-absorbing surfaces (steel, roof felt): 30 min.
- Application temperature: +5°C to +35°C
- Elasticity at low temperature (cold bending): -20°C
- Vertical flow resistance at increased temperature: +90°C

| Product name | Content | Packaging | Pieces per pallet |
|--|---------|-----------|-------------------|
| Evomer Fast Primer Fast Drying Bituminous-Polymer Primer | 9 kg | Bucket | 44 |
| | 18 kg | Bucket | 27 |

Evomer Fast Coating

FAST DRYING BITUMINOUS-POLYMER COATING

Evomer Fast Coating is an innovative fast drying bituminous-polymer solution for covering roof or foundation surfaces. Creates seamless, waterproof and elastic layer with increased UV resistance.

APPLICATIONS:

- Refurbishment of bituminous coverings
- Light waterproofing on horizontal and vertical surfaces

BENEFITS:

- Dry in only 2 h*
- UV-resistance up to 5 years**
- High quality coating

* At a temperature of +20°C and 50% relative air humidity.
** Based on ageing tests conducted for typical climate conditions, the actual resistance may vary.

TECHNICAL PARAMETERS:

- Consistency: dense, liquid homogeneous, without inclusions
- Consumption: on average 0.35 kg/layer
- Drying time at a temperature of +20°C/50% RH: 2 h
- Coverage from 18 kg pail: 50 m²
- Coverage from 9 kg bucket: 25 m²
- Application temperature: +5°C to +35°C
- Elasticity at low temperatures (cold bending): -20°C
- Vertical flow resistance at increased temperature: +90°C
- Durability: 5 years basing on ageing tests conducted under typical weather conditions



| Product name | Content | Packaging | Pieces per pallet |
|--|---------|-----------|-------------------|
| Evomer Fast Coating Fast Drying Bituminous-Polymer Coating | 9 kg | Bucket | 44 |
| | 18 kg | Bucket | 27 |



Abizol R

Bitumen Primer

Bitumen compound slightly modified with synthetic rubber and special additives that allow deep substrate penetration and its use on slightly moist substrates. It is designed for priming under bituminous coatings. The membranes are very resistant to the cracks caused by frost, strongly bind to the substrate and partially absorb surface movement and micro cracking.



APPLICATIONS:

- Priming of concrete substrates
- Initial covering under hydrophobic coatings
- To create light hydrophobic insulation coatings

BENEFITS:

- Works even on slightly moist surfaces
- Deeply penetrates the substrate
- Resistant for weak acids and alkalis

TECHNICAL PARAMETERS:

- Consistency: liquid
- Colour: black
- Application temperature: +5°C to +35°C
- Initial drying time: 6 h
- Curing time: 12 h
- Consumption: 0.2–0.3 kg/m² for 1 layer
- Number of layers: 2-3

| Product name | Content | Packaging | Pieces per pallet |
|--------------|---------|---------------|-------------------|
| Abizol R | 9 kg | Bucket: metal | 44/ 44 |
| | 18 kg | Bucket: metal | 27/ 33 |

Abizol P/S

Universal Waterproofing Compound

Cold-applicable bitumen compound modified with synthetic rubber and resins, designed for seamless hydrophobic insulation of underground parts of buildings. Product can be used for coating of concrete industrial water tanks.



APPLICATIONS:

- Hydrophobic vertical insulation of underground parts of buildings

BENEFITS:

- Create durable and resistant layer up to -20°C
- Strongly bound to the substrate
- It can be used on slightly moist surfaces

TECHNICAL PARAMETERS:

- Consistency: half-liquid substance
- Colour: black
- Application temperature: +5°C to +35°C
- Initial drying time: 6 h
- Curing time: 12 h
- Consumption: 0.5-0.7 kg/m² for 1 layer
- Number of layers: 2–3 depending on application

* Technical data and application instruction are given for a temperature of +23°C ± 2°C and humidity approx. 60%. Lower temperature and higher humidity can extend the curing time.

| Product name | Content | Packaging | Pieces per pallet |
|--------------|---------|---------------|-------------------|
| Abizol P/S | 9 kg | Bucket: metal | 44/ 44 |
| | 18 kg | Bucket: metal | 27/ 33 |

Abizol ST

Asphalt Rubber Compound

Highly modified asphalt-rubber compound with the consistency of paste. Thanks to its thixotropic qualities the coating does not flow even from vertical surfaces and can be applied on uneven and complex surfaces with various slopes. The coatings after drying are tight, very flexible and can absorb the substrate cracks of up to 5 mm. It does not damage foamed polystyrene and can be used also inside basements and garages.



APPLICATIONS:

- Gluing polystyrene and extrude boards to concrete, masonry walls
- Insulation of underground parts of a building – light, medium and heavy waterproof types
- Hydrophobic insulation under floor pavements on terraces, balconies

BENEFITS:

- Does not flow the vertical surfaces
- Contains no solvents

TECHNICAL PARAMETERS:

- Colour: dark brown, after drying (curing) black
- 1 layer thickness: up to 2 mm
- Curing time (drying) of 1 layer:
 - 3–5 days for coating
 - Up to 14 days for the adhesive
- Number of layers: 2-4
- Dry mass residue: 60%
- Consumption:
 - Waterproofing: cca. 1.2 kg/m²/mm of layer thickness
 - Polystyrene gluing: 0.8–2 kg/m² (spot gluing)
- Temperature of substrate and air during application: +5°C to +30°C
- Application method: putty knife, trowel, spatula

| Product name | Content | Packaging | Pieces per pallet |
|--------------|---------|---------------|-------------------|
| Abizol ST | 9 kg | Bucket: metal | 44/ 44 |
| | 18 kg | Bucket: metal | 27/ 33 |

Abizol 2K

2-Component Bitumen Waterproofing Compound

Bitumen-polymer water-based mastic, reinforced with fibres. It is a combination of 2-components: liquid and powder.



APPLICATIONS:

- Waterproofing (light, medium, heavy types) of mineral substrates (foundation and basement walls)
- Installing polystyrene boards on substrates coated with bitumen compounds.

BENEFITS:

- Quick hardening by chemical reaction
- Rain resistance after 5 h
- Reinforced with fibre-tear resistance
- Waterproof under pressure 0.75 MPa (7.65 m water column)*
- Does not flow on vertical substrates
- Ecological product – does not contain organic solvents
- Meets the requirements of DIN 18 195

TECHNICAL PARAMETERS:

- Ingredients: polymer modified bitumen, mineral fillers, reinforcing fibres, water
- Consistency: thick
- Colour: black-brown, after curing black
- Density: 1.15 kg/dm³
- Application temperature: +5°C to +30°C
- Fresh layer thickness: cca. 2 mm
- Dry mass content: 70%
- Pot life: 1 h (+20°C)
- Curing time: 3-5 days

| Product name | Content | Packaging | Pieces per pallet |
|--------------|---------|-----------|-------------------|
| Abizol 2K | 30 kg | Bucket | 18 |



Abizol 2KS

2-Component Bitumen Waterproofing Compound with Polystyrene Balls

Bitumen-polymer water-based mastic with polystyrene balls reinforced with fibres.
A combination of 2-components: liquid and powder.



APPLICATIONS:

- Waterproofing (light, medium, heavy types) of mineral substrates (foundation and basement walls)
- Installing polystyrene boards on substrates coated with bitumen compounds

BENEFITS:

- Quick hardening by chemical reaction (3–5 h)
- Easily workable with trowel
- Rain resistance after 5 h
- Reinforced with fibre-tear resistance
- Waterproof under pressure 0.75 MPa (765 m water column)*
- Does not flow vertical substrates
- Ecological product – does not contain organic solvents
- Low shrink
- Meets the requirements of DIN 18 195

TECHNICAL PARAMETERS:

- Ingredients: polymer modified bitumen, mineral fillers, reinforcing fibres, water.
- Consistency: thick
- Colour: black-brown, after curing black
- Density: 1.15 kg/dm³
- Application temperature: +5°C to +30°C
- Fresh layer thickness: cca. 2 mm
- Dry mass content: 75%
- Pot life: 1 h (+20°C)
- Curing time: 3-5 days

| Product name | Content | Packaging | Pieces per pallet |
|--------------|---------|-----------|-------------------|
| Abizol 2KS | 30 l | Bucket | 18 |

What parameters are essential in the quality appraisal of waterproofing materials for the underground elements of a building?

| | |
|--|---|
| Waterproofing | Defined resistance to water pressure |
| Expansion at maximum tensile force | A parameter defining physical properties of a product |
| Tear strength | Tear resistance of underground waterproofing |
| Shear force resistance | Resistance to shearing forces on filling and ground settling and subsidence |
| Durability <ul style="list-style-type: none">Resistance to artificial ageingResistance to chemicals | Long life of a product |
| Elasticity at low temperatures | Defines if a material stays elastic at low temperatures |
| Contaminants | Resistance to harmful substances which may penetrate into the soil |

Foundations

PU adhesive for XPS boards.



PU adhesive for XPS boards is designed for bonding extruded polystyrene (XPS) boards and expanded polystyrene (EPS) boards to foundations and below-ground parts of buildings, cellar walls, and plinths. . PU adhesive for XPS boards offers a quick and convenient solution for bonding boards to foundations due to its immediate initial tack and short curing time. The adhesive is characterized by high thermal and insulation properties, great resistance to aging, and the ability to be used in a wide temperature range.

APPLICATIONS:

- Thermal insulation of foundations

BENEFITS:

- Immediate tack
- Excellent adhesion to membranes and bitumens
- Next stage of work after just 2 hours

TECHNICAL PARAMETERS:

- Yield: up to 14 m²
- Application temperature: 0°C to +30°C
- Open time: ≤ 5 min
- Correction time: ≤ 10 min
- Coefficient of thermal conductivity: $\lambda < 0.036 \text{ W/mK}$
- Shelf life: 12 months

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|-------------------------------|---------|-----------|----------------|-------------------|
| Foundations Gun Foam Adhesive | 750 ml | Can | 12 | 624 |

Thermal insulation of foundations

Thermal insulation of foundations should be performed for all buildings with or without basements. Uninsulated foundation walls, due to their contact with cold, damp ground, are responsible for up to 20% of the heat loss from a building.

The thermal insulation of underground parts is applied to the depth of min 1 meter, which is below the freezing point of the ground. It is essential that the insulation is unbroken to eliminate thermal bridges. The most popular material are XPS panels w waterproof, extruded polyester panels which have a very high mechanical resistance. The XPS panels are laid directly on the waterproofing layer and then covered with a drainage membrane to secure the insulation against damage which may be incurred during the filling of foundations. The XPS panels must not be fitted mechanically so that the waterproofing layer is not disrupted.



Tack-R KMB 2K 2-Component Polymer Modified Bitumen Coating

2-component, fibre reinforced, highly elastic polymer modified bitumen coating for waterproofing of buildings in below ground structures.



APPLICATIONS:

- Sealing against ground moisture and water, including water load at constant pressure for below ground structures
- Dedicated for external walls, foundations, basements floors

BENEFITS:

- Quick hardening by chemical reaction
- Rain resistance after 5 h
- Reinforced with fibre-tear resistance
- Waterproof under pressure 0.75 MPa (7.65 m water column)*
- Does not flow vertical substrates
- Ecological product – does not contain organic solvents
- Meets the requirements of DIN 18 195

TECHNICAL PARAMETERS:

- Ingredients: polymer modified bitumen, mineral fillers, reinforcing fibres, water
- Consistency: thick
- Colour: black-brown, after curing black
- Density: 1.15 kg/dm³
- Application temperature: +5°C to +30°C
- Fresh layer thickness: cca. 2 mm
- Dry mass content: 75%
- Pot life: 1 h (+20°C)
- Curing time: 3-5 days
- Consumption
 - for non-pressing ground water 4.5 kg/m²
 - for pressing ground water 5.5-6.0 kg/m²

| Product name | Content | Packaging | Pieces per pallet |
|---------------|---------|-----------|-------------------|
| Tack-R KMB 2K | 30 kg | Bucket | 18 |

Tack-R TF10 S32 Bitumen Membrane

Tack-R TF10 S32 is a torch-on foundation bituminous membrane with polyester reinforcement. It is modified with SBS.



APPLICATIONS:

- Waterproofing of vertical and horizontal underground parts of the buildings
- First and/or second layer in multilayer systems

TECHNICAL PARAMETERS:

- Reinforcement: non-woven polyester
- Thickness: 3.2 mm
- Top side: polyethylene film
- Bottom side: polyethylene film
- Elasticity at low temperature: ≤ -10°C

| Product name | Content | Packaging | m ² per pallet |
|-----------------|---------|---------------|---------------------------|
| Tack-R TF10 S32 | 35 kg | Roll 10 x 1 m | 200 |

Tack-R SF20 S25 Bitumen Membrane



Tack-R SF20 S25 is a self-adhesive foundation bituminous membrane with polyester reinforcement. Modified with SBS and additives improving adhesion parameters.

APPLICATIONS:

- Waterproofing of underground parts (one-layer vertical systems or two-layer horizontal systems)

TECHNICAL PARAMETERS:

- Reinforcement: polyester textile
- Thickness: 2,5 mm
- Top side: polypropylene textile
- Bottom side: protective silicone film
- Elasticity at low temperature: $\leq -20^{\circ}\text{C}$

| Product name | Content | Packaging | m ² per pallet |
|-----------------|---------|---------------|---------------------------|
| Tack-R SF20 S25 | 32 kg | Roll 10 x 1 m | 240 |

Tack-R Green S40 Bitumen Membrane



Tack-R Green S40 is a torch-on foundation bituminous membrane with polyester reinforcement. It is modified with SBS. It is confirmed by FLL certificate to be resistant to root penetration.

APPLICATIONS:

- Waterproofing of underground parts (one-layer vertical systems or two-layer horizontal systems)

TECHNICAL PARAMETERS:

- Reinforcement: non-woven polyester
- Thickness: 4,0 mm
- Top side: mineral
- Bottom side: polyethylene film
- Elasticity at low temperature: $\leq -20^{\circ}\text{C}$

| Product name | Content | Packaging | m ² per pallet |
|------------------|---------|----------------|---------------------------|
| Tack-R Green S40 | 38 kg | Roll 7,5 x 1 m | 150 |

ROOFS



- Selena offers solutions for all types of roofs
- We improve work standards for contractors – thanks to our products their work is better, faster and easier
- Our innovative solutions create new trends in sustainable construction



Waterproofing is a primary task in construction.

Selena is one of few companies in the world with such a wide range of its own technologies. This allows us to supply waterproofing solutions for any type of roof, regardless of whether it is sloped or flat.

We offer products based on various roof covering materials, including bituminous, metal sheet, ceramic and concrete.

Thanks to our versatility we can support individual, residential and investment construction projects, our technologies being suitable for both new and renovated roofs, by installers of varying degrees of competency.

Our global experience enables us to meet the diverse demands of our investors and contractors, and, primarily, to provide customized solutions adjusted to various geographical locations and local technology standards.

What are our distinctive features?

In waterproofing, as in other areas, Selena strives for improvement in work standards for contractors. We search for faster, easier and more convenient application formulas while maintaining the high technical standards of our products. We always look to substitute traditional methods with new, better solutions, such as application by spraying or other methods which do not require the use of an open flame or mechanical fixing.

We create state of the art, innovative solutions for sustainable construction. We optimize the energy efficiency of buildings, develop green spaces in urban areas and eliminate thermal bridges.

Selena is the first company in the world to develop the revolutionary COOL-R system, which combines cooling and waterproofing properties in a single product solution.



ROOFS



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Flat roofs

A flat or low-pitch roof performs two functions

– a roof cover and a ceiling over the top floor of a building.

Flat roofs can be divided into two categories: usable and non-usable roofs. The former can serve as external decks or green spaces, gardens or car parks.



Flat roofing structure

Flat roofs are multi-layered structures where each layer performs a different function.

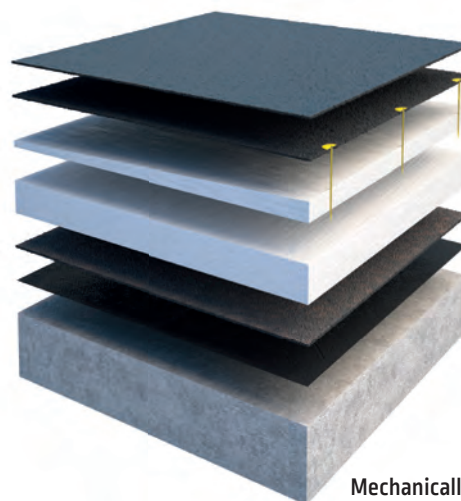
The biggest challenge is the proper rendering of the roof's waterproofing, a key element of every flat roof.

To ensure the run-off of rain water, the flat roof should be pitched at an angle of up to 2%. The inclination can be directed towards the edge of the roof, allowing water to flow to the sides, or towards the middle, from where water is drained by special drainage system.

Flat roofs are laid in the following way: a supporting surface (for example a reinforced concrete ceiling) is coated with a bituminous priming layer, next a vapour-proof layer is laid which forms a moisture resistant base for another layer, namely, the thermal insulation. Finally, the actual waterproofing top layer is laid, sealing the whole surface.

This structure of flat roof provides easy access to the waterproofing layer and facilitates the monitoring of its sealing, the fixing of defects and other maintenance works.

When additional protection of the waterproofing layer against mechanical damage or harmful weather is needed, this traditional layout can be secured by an extra layer of ballast, laid on a special protective covering fabric.



Mechanically fixed system

Inverted flat roofs

When a flat roof is utilized as, for example, a green roof then the sequence of layers can be inverted. This allows us to reduce the total thickness of the cover by using a thinner thermal insulation layer. It also protects the waterproofing layer against potential damage. The type of top layer for an inverted roof is chosen accordingly to the roof's intended usage.

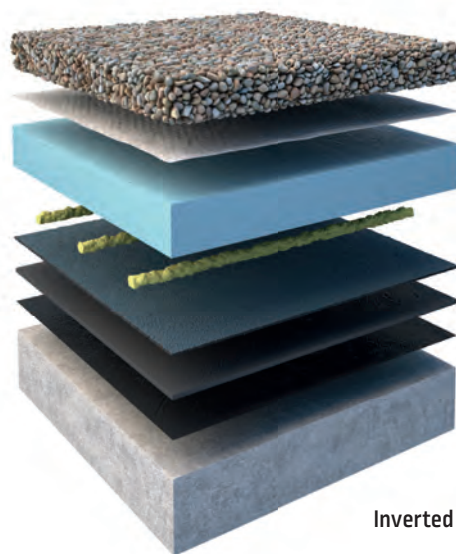
For an inverted green planted roof, the thermal insulation layers are placed directly on the primed substrate and secured with special protective covering fabric. It is necessary to add ballast so as to protect the thermal insulation from being blown off the roof.

Each layer of a flat roof can be installed using various techniques.

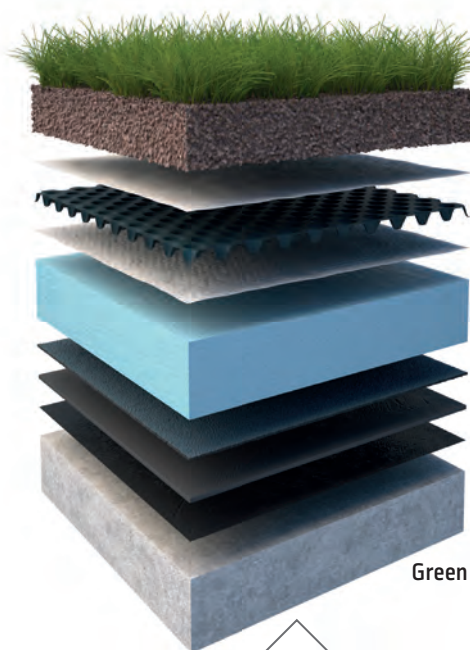
Mechanical fitting which employs special connectors.

Adherent or self-adhesive roofs – do not require mechanical fitting as each layer is bonded with the use of an adhesive or a self-adhesive membrane.

Torch on roof – torching is based on melting the waterproofing layer onto the whole surface of the bituminous membranes.



Inverted roof system



Green roof system

Finishes and flashings

The water sealing of flat roofs depends not only on properly performed waterproofing but also on the proper treatment of attics, firewalls and all the elements that break the continuity of the roof cover, such as roof lights, chimneys or steel substructures.

Owing to its structure, the flat roof is exposed to the accumulation of snow or to water stagnations. This is why proper workmanship and the application of systemic solution is so vital.





Cooling



Waterproofing



Reflection



Non spreading fire



Durability

SRI = 107 Solar Reflectance Index

COOL-R System

One of the main effects of solar radiation is heating up of the exposed surfaces. For the construction element in question here – the roof – these effects may be positive and can be used to our advantage by installing solar and photovoltaic cells. Unfortunately, the negative effects of solar radiation have to be dealt with more frequency, especially, those resulting from exposure to infra-red radiation, which causes overheating of the roofs and as a consequence a temperature rise in the interior of the buildings.

Another negative effect of the UV radiation and roof overheating is the fast ageing of the roof covering. The life of practically every type of roof coating for large-scaled buildings is determined by its resistance to solar radiation, and their lifespan is max. 10–15 years.

Every building should provide optimal thermal comfort for its users. The most common way to reduce the temperature in the premises is by installing cooling units. However, this leads to lower energy-efficiency of the building and increases the maintenance costs as the power demand for cooling grows. In many cases air-conditioning systems are not able to cope with increasingly frequent extreme temperatures, which negatively impacts the thermal comfort of the people in the premises. The application of COOL-R enhances the life expectancy of both the roof membrane and the building's cooling equipment.

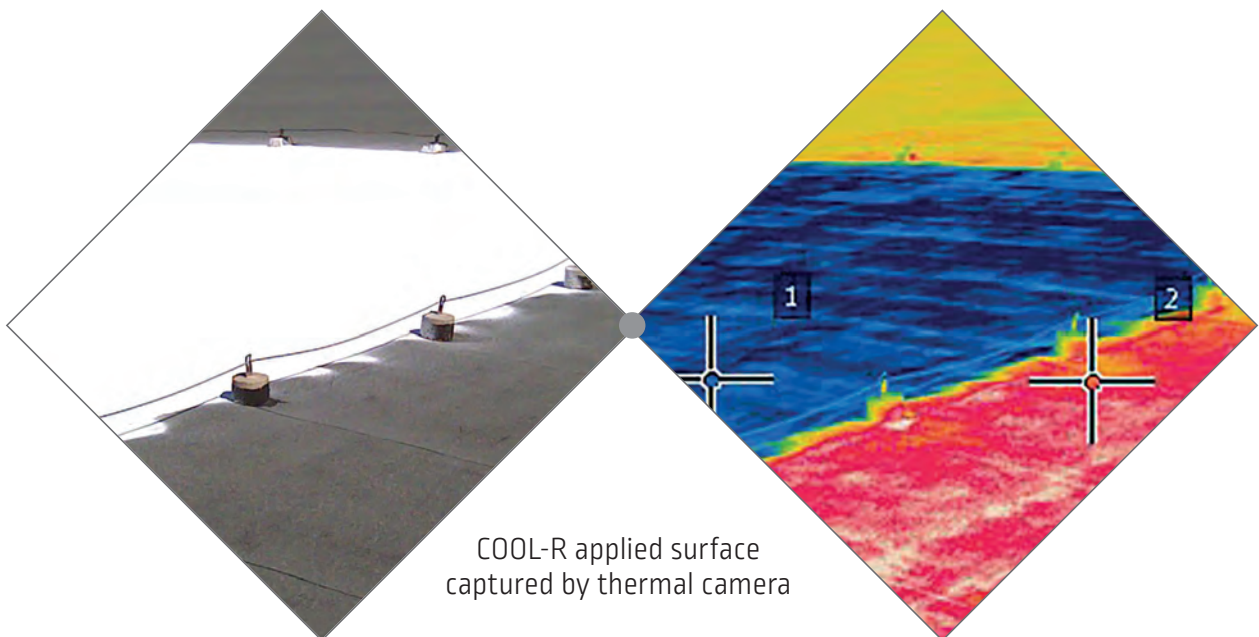
**COOL-R reduces
the roof temperature by 70%,
and inside the building
- up to 10°C**

COOL-R is a highly-reflective roof coating which ensures the joined benefits of reduced temperature inside the building and the perfect waterproofing coating of the roof surface.

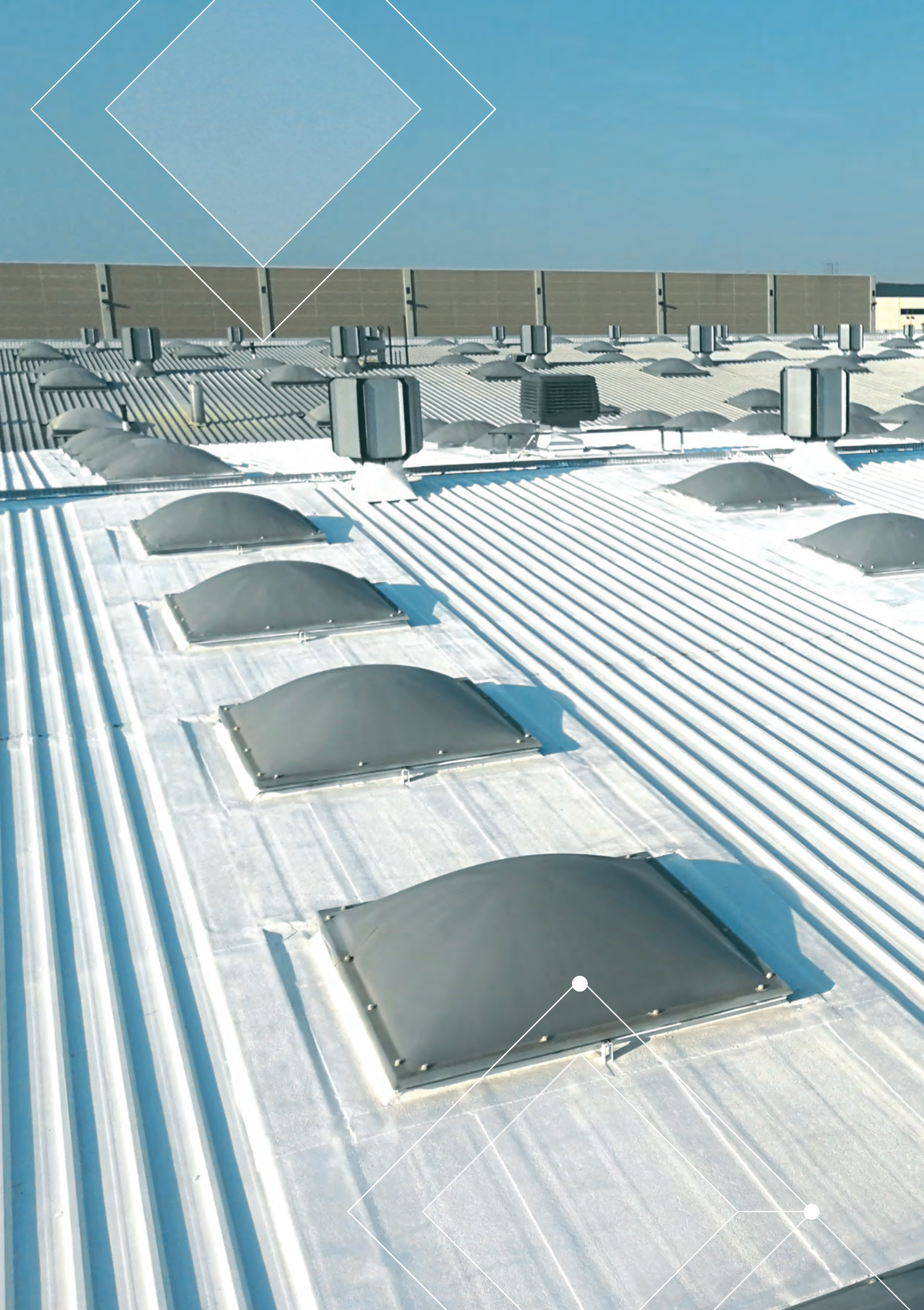
Thanks to the applied technology, the COOL-R coating is characterized by a high SRI (Solar Reflectance Index = 107), which means that the coating not only reflects sunlight (as much as 86% of sun rays on the coating are reflected), but also releases most of the absorbed or non-reflected heat (0.85), reducing the temperature on the roof and under its surface. Thanks to COOL-R, the roof temperature is reduced by as much as 70%, and by as much as 10°C inside the building.



COOL-R technology is a unique solution that was designed not only to reduce the roof temperature but also to protect it against all the consequences of ageing and water penetration. COOL-R ensures a permanent waterproofing coating of the roof, protecting it against negative impact of water, without adding excessive load on its structure. The COOL-R coating enhances the roof's life expectancy and the resistance of the roof cover to weather conditions, such as temperature fluctuations, as well as to mechanical damage.

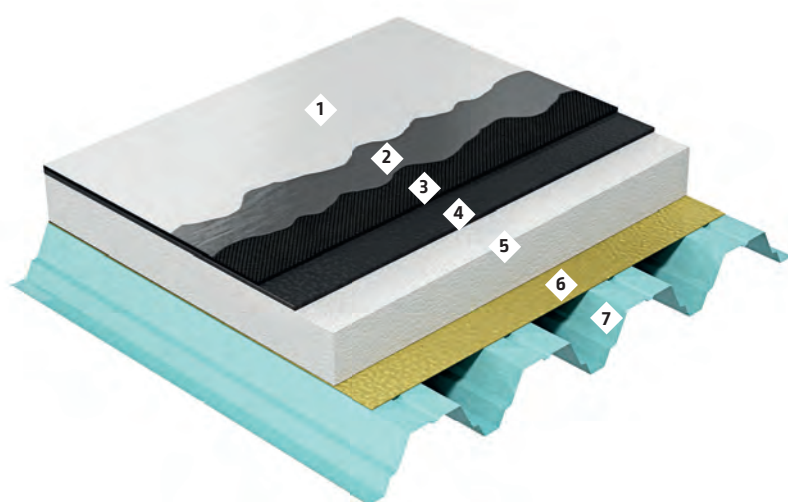


COOL-R applied surface
captured by thermal camera



COOL-R System Highly Reflective Waterproofing Coating

COOL-R is a highly reflective roof coating that combines the benefits of temperature reduction inside the building and ensures an excellent waterproof membrane in the form of a roof surface. Thanks to the technology applied, the COOL-R coating has a very high SRI number (Solar Reflectance Index = 107) and high waterproofing parameters. With the use of COOL-R roof the temperature can be reduced by up to 70%, and inside the building by up to 10°C.



SYSTEM ELEMENTS:

1. COOL-R white [0.9 kg/m²]
2. COOL-R grey [0.9 kg/m²]
3. Top layer membrane COOL-R FIX S50
4. Underlay membrane Tack-R FIX20 S27
5. Thermal insulation EPS 100
6. Vapour barrier
7. Metal sheet

APPLICATIONS:

- Flat roofs made of metal and concrete substrates covered with bituminous/ PVC membranes
- Renovation of roofs
- Halls, production plants, logistics centres and shopping centres

BENEFITS:

- Elimination of the problem of roof overheating
- Protection of roof covering against the adverse effects of solar radiation
- High-performance, jointless waterproof membrane
- No excess load on roof framework

TECHNICAL PARAMETERS:

- SRI (Solar Reflectance Index): 107

| Parameter | COOL-R Underlay grey | COOL-R Top layer white |
|--------------------------------|----------------------|------------------------|
| Consistency | Semi-liquid paste | Semi-liquid paste |
| Resistance to rain [h] | 1.5 | 1.5 |
| Curing time of first layer [h] | 2.0 | 2.0 |
| Curing time of coating [h] | | 24 |

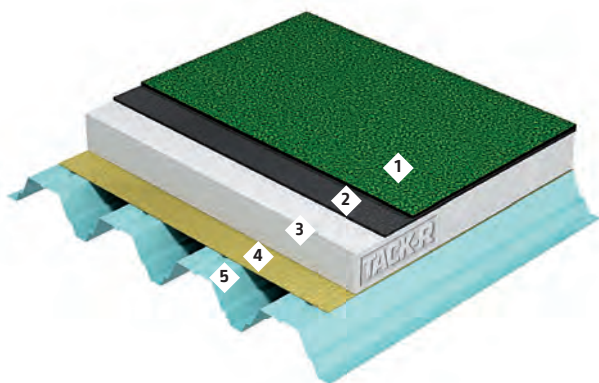
- As supplied – tested at +23°C and 50% relative humidity

| Parameter | COOL-R coating* |
|--|-----------------|
| Elongation at breakage [%] | 450 |
| Elasticity at low temperatures [°C] | -35 |
| Water sealing [kPa] | 200 |
| Resistance to external fire | BRoof[t]* |
| Weight burden to 1 m ² of roof [kg] | 1.42 |

* As cured - tested after 4 weeks at +23°C and 50% relative humidity.

| Product name | Content | Packaging | Pieces per pallet |
|--------------|---------|--------------|-------------------|
| COOL-R | 15 kg | Plastic pail | 44 |

Tack-R Mechanically Fixed Roof System



A classic solution for flat roof systems based on steel and concrete structures. This system does not put too much load on the roof structure and its components may be assembled in difficult weather conditions.

SYSTEM ELEMENTS:

1. Bituminous top membrane Tack-R TT20 S40
2. Bituminous undercoat membrane Tack-R FIX20 S27
3. Thermal insulation
4. PE vapour-proof membrane
5. Metal sheet

APPLICATIONS:

- Application on steel and concrete structures
- Enclosed structures, residential buildings, commercial centres

BENEFITS:

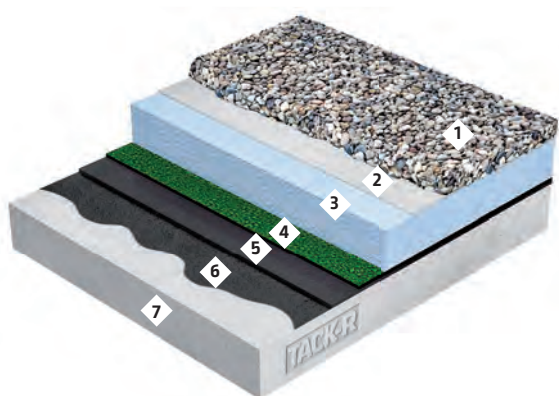
- Small load of structure (approx. 8.5 kg/m²*)
- Applicable at negative temperatures (to -10°C)
- Fire retardance (BroofT1)

* No thermal insulation needed.

TECHNICAL PARAMETERS:

| Product name | SBS-modified | Base material | Assembly | EN PL | Thickness | Length | Pallet quantity |
|------------------|--------------|---------------|---------------|--------|-----------|--------|--------------------|
| Tack-R TT20 S40 | SBS [-20] | Polyester | Torch-applied | 13 707 | 4.0 mm | 75 m | 150 m ² |
| Tack-R FIX20 S27 | SBS [-20] | Composite | Mech. fixed | 13 707 | 2.7 mm | 10.0 m | 240 m ² |
| Tack-R ALU S30 | SBS [-15] | Veil + Alu | Torch-applied | 13 707 | 3.0 mm | 10.0 m | 200 m ² |

Tack-R Inverted Roof System



This system is intended for concrete structures. Especially recommended for investments in which the key issue is to maintain the long life of the waterproof membrane and ensure protection against the harmful effects of external factors.

SYSTEM ELEMENTS:

1. Ballast layer
2. Green Geo Tex 300 protective geotextile
3. XPS thermal insulation
4. Torch-on bituminous membrane Tack-R TT20 S40
5. Torch-on bituminous membrane Tack-R TU20 S30
6. Priming preparation
7. Steel-concrete ceiling

APPLICATIONS:

- Concrete structures
- Residential buildings, commercial centres

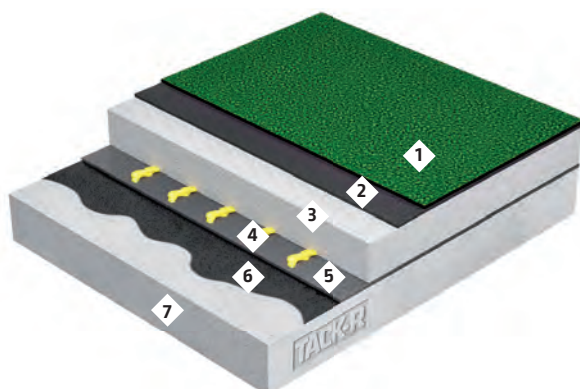
BENEFITS:

- Extended lifespan of roof covering
- Protection of waterproof membrane against mechanical damage

TECHNICAL PARAMETERS:

| Product name | SBS-modified | Base material | Assembly | EN PL | Thickness | Length | Pallet quantity |
|------------------|--------------|---------------|---------------|----------------|-----------|--------|--------------------|
| Tack-R S ALU S26 | SBS [-20] | Veil + Alu | Self-adhesive | 13 707 | 2.6 mm | 10.0 m | 240 m ² |
| Tack-R ST25 S50 | SBS [-25] | Polyester | Self-adhesive | 13 707 | 5.0 mm | 5.0 m | 120 m ² |
| Tack-R SU20 S25 | SBS [-20] | Glass fabric | Self-adhesive | 13 707 | 2.5 mm | 10.0 m | 240 m ² |
| Tack-R TT20 S40 | SBS [-20] | Polyester | Torch-applied | 13 707 | 4.0 mm | 75 m | 150 m ² |
| Tack-R TU20 S30 | SBS [-20] | Polyester | Torch-applied | 13 707, 13 969 | 3.0 mm | 10.0 m | 200 m ² |

Tack-R Self-Adhesive Roof System



The innovative roof system that does not require mechanical fixing. This is the first solution on the market that uses both a double-sided self-adhesive underlay bituminous membrane and a self-adhesive bituminous top membrane. Foam adhesive KDT 12, designed for the system, allows the installation of thermal insulation without the use of mechanical fasteners.

SYSTEM ELEMENTS:

1. Self-adhesive bituminous membrane Tack-R ST25 S50
2. Self-adhesive bituminous membrane Tack-R SU20 S25
3. EPS 100 thermal insulation
4. KDT 12 polyurethane adhesive
5. Self-adhesive bituminous waterproof membrane Tack-R S ALU S26
6. Priming preparation
7. Steel-concrete ceiling

APPLICATIONS:

- Concrete structures
- Residential buildings, commercial centres
- Structures with recommendations for the installation of waterproof membrane without affecting the support of the roof

BENEFITS:

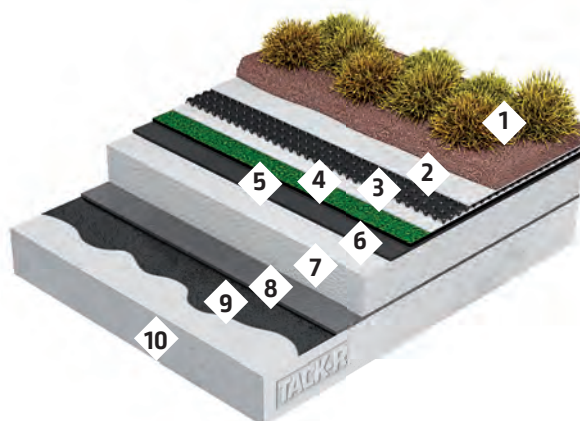
- Total omission of mechanical fixing
- Significant reduction of the need to work with naked flames
- Shortening of the application time

TECHNICAL PARAMETERS:

| Product name | SBS-modified | Base material | Assembly | EN PL | Thickness | Length | Pallet quantity |
|------------------|--------------|---------------|---------------|--------|-----------|---------|--------------------|
| Tack-R ST25 S50 | SBS [-25] | Polyester | Self-adhesive | 13 707 | 5.0 mm | 5.0 rm | 120 m ² |
| Tack-R SU20 S25 | SBS [-20] | Glass fabric | Self-adhesive | 13 707 | 2.5 mm | 10.0 rm | 240 m ² |
| Tack-R S ALU S26 | SBS [-20] | Veil + Alu | Self-adhesive | 13 707 | 2.6 mm | 10.0 rm | 240 m ² |

Tack-R Green Roofs System

Green Herba and Green Sedum are modern, biologically active roof systems that respond to the need for increasing greenery in urban areas. The roof covering is resistant to root ingress and designed to load the roof structure to a small extent.



SYSTEM ELEMENTS:

1. Extensive/ intensive vegetation
2. Green ST Sedum/ Herba substrate
3. Green Filler 100 filtration geotextile
4. Green Drain drainage
5. Torch-on bituminous membrane Tack-R Green S40
6. Self-adhesive bituminous membrane Tack-R Fix20 S27
7. EPS 100 thermal insulation
8. Vapour-proof membrane Tack-R ALU S30
9. Priming preparation
10. Steel-concrete ceiling

APPLICATIONS:

- Steel and concrete structures
- Residential buildings, commercial centres and logistics centres and warehouses

BENEFITS:

- Resistance to root ingress (FLL certificate)
- Ability to apply intensive or extensive plants
- Low load of roof structure (from 120 kg/m² when fully soaked)
- Reduced noise level inside the premises

TECHNICAL PARAMETERS:

| Product name | SBS-modified | Base material | Assembly | EN PL | Thickness | Length | Pallet quantity |
|------------------|--------------|---------------|---------------|----------------|-----------|---------|--------------------|
| Tack-R Green S40 | SBS [-20] | Polyester | Torch-applied | 13 707, 13 969 | 4.0 mm | 75 rm | 150 pcs |
| Tack-R SU20 S25 | SBS [-20] | Glass fabric | Self-adhesive | 13 707 | 2.5 mm | 10.0 rm | 240 m ² |
| Tack-R S ALU S26 | SBS [-20] | Veil + Alu | Self-adhesive | 13 707 | 2.6 mm | 10.0 rm | 240 pcs |

| Product name | Description | Parameters | Dimensions | Sales unit |
|----------------------|--|--|---------------------|------------|
| GreenDrain | Drainage cumulative mat for systems of green roofs: Green Sedum and Green Herba | Retention – 6 l/m ² | 1.9 m x 20 m x 2 cm | Roll |
| GreenFiller 100 | Drainage mat in green roof systems Green Sedum and Green Herba. Designed for road traffic and shared zones | Grammage – 100 g/m ² | 2 m x 50 m | Roll |
| GreenST Herba/ Sedum | Intense substrate intensive for Green Herba/ Green Sedum system | Weight – approx. 1 200 kg/m ³ Consumption – approx. 1.15 | 90 x 90 x 135 | Pcs |

Evomer Fast Primer Fast Drying Bitumen-Polymer Primer



Evomer Fast Primer is an innovative bitumen-polymer fast drying solution intended for preparing the roof surface before installation of roofing and waterproofing materials. Due to the introduction of polymerization technology, the primer features perfect adhesion and ensures full surface stability. Evomer Fast Primer does not contain any organic solvents, so it is non-flammable and is safe for both polystyrene and the environment.

APPLICATIONS:

- Preparation of mineral, bitumen, wooden and steel surfaces prior to the installation of waterproof membranes

BENEFITS:

- Drying time within 20 min only
- High yield
- Safe (non-flammable, no solvents)

TECHNICAL PARAMETERS:

- Consistency: liquid, homogeneous, without inclusions
- Drying temperature +23°C / 50% RH on concrete: 20 min
- Drying temperature +5°C / 50% RH on concrete: 60 min
- Drying temperature +23°C / 50% RH on non-absorbing surfaces (steel, roof felt): 30 min
- Application temperature: +5°C to +35°C
- Elasticity at low temperature (cold bending): -20°C
- Vertical flow resistance at increased temperature: +90°C

| Product name | Content | Packaging | Pieces per pallet |
|--------------------|---------|-----------|-------------------|
| Evomer Fast Primer | 9 kg | Bucket | 44 |
| | 18 kg | Bucket | 27 |

Evomer Fast Coating Fast Drying Bitumen-Polymer Coating



Evomer Fast Coating is an innovative fast-drying bituminous-polymer solution for covering roof or foundation surfaces. Creates seamless, waterproof and elastic layer with increased UV resistance.

APPLICATIONS:

- Refurbishment of bituminous coverings
- Light waterproofing on horizontal and vertical surfaces

BENEFITS:

- Dry in only 2 h*
- UV-resistance up to 5 years**
- High quality coating

TECHNICAL PARAMETERS:

- Consistency: dense, liquid homogeneous, without inclusions
- Consumption: on average 0.35 kg / layer
- Drying time at temperature +20°C / 50% RH: 2 h
- Coverage from 18 kg pail: 50 m²
- Coverage of 9 kg bucket: 25 m²
- Application temperature: +5°C to +35°C
- Elasticity at low temperatures (cold bending): -20°C
- Vertical flow resistance at increased temperature: +90°C
- Durability: 5 years based on ageing tests conducted under typical weather conditions

* At the temperature of +20°C and 50% relative air humidity.
 ** Based on ageing tests conducted for typical climate conditions, the real resistance may vary.

| Product name | Content | Packaging | Pieces per pallet |
|---------------------|---------|-----------|-------------------|
| Evomer Fast Coating | 9 kg | Bucket | 44 |
| | 18 kg | Bucket | 27 |

Evomer Fast Filler

Fast Drying Bitumen-Polymer Roofing Filler



Evomer Fast Filler is a dense bitumen-polymer mastic. Created to fill damage and cracks in roof coverings. Can be also used for bonding of polystyrene boards.

APPLICATIONS:

- Filling in damage and cracks
- Spot repairs and sealing
- Fixing polystyrene boards

BENEFITS:

- Rain resistance in only 2 h
- Permanently elastic
- Safe (no solvents)

TECHNICAL PARAMETERS:

- Consistency: dense, homogeneous
- Density: 1.15–1.25 g/ml
- Consumption: 1.2 kg/m² at thickness 1 mm
- Application temperature: +5°C to +35°C
- Drying time: 2 mm per 24 h
- Rain resistance (+23°C/50% RH): after 2 h
- Elasticity at low temperatures (cold bending): -20°C
- Vertical flow resistance at increased temperature: +90°C
- Crack bridging: up to 2 mm

| Product name | Content | Packaging | Pieces per pallet |
|--------------------|---------|----------------|-------------------|
| Evomer Fast Filler | 1 kg | Plastic bucket | 324 |
| | 5 kg | Plastic bucket | 76 |

Fast renovation of flat roof

Roof coatings are particularly sensitive parts of buildings which are often exposed to the risk of leakage. When leakages occur, they should be fixed in the shortest possible time to avoid further damage to the building's interior.

Time is a key element here for both the investor and the contractor.

EVOMER – is the new generation of polymer-bituminous compounds developed to ensure the shortest possible repair times. Evomer is solvent-free, which makes it safe to use but also considerably shortens the drying time of each coat.

Thanks to this the renovation of a roof cover takes only 3 days.

The EVOMER system contains primer, putty for filling cracks and voids, and the Evomer top coating.

Evomer strengths:

- Safe for thermal insulation
- Easy application
- Non-flammable, solvent-free



Abizol R

Bitumen Primer

Abizol R is a bitumen compound slightly modified with synthetic rubber with special additives that allow its use on slightly moist substrates.

APPLICATIONS:

- Priming concrete substrates (e.g. foundations) before covering with hydrophobic coatings
- Priming under torch-applied roof membranes

BENEFITS:

- Works even on slightly damp surfaces
- Strongly bonds the substrate
- Resistant for weak acids and bases

TECHNICAL PARAMETERS:

- Consistency: liquid
- Colour: black
- Application temperature: +5°C to +35°C
- Initial drying time: 6 h
- Curing time: 12 h
- Consumption: 0.2-0.3 kg/m² for 1 layer
- Number of layers: 2-3



* Technical data and applying instruction are given for the temperatures +23°C ± 2°C and humidity approx. 60%. A lower temperature and higher humidity may extend the curing time.

| Product name | Content | Packaging | Pieces per pallet |
|-------------------------|---------|-----------------------|-------------------|
| Abizol R Bitumen Primer | 9 kg | Bucket / metal bucket | 44/ 44 |
| | 18 kg | Bucket / metal bucket | 27/33 |

Abizol H/RDR

Deep Penetrating Primer

Abizol H/RDR is a deep-penetrating, solvent, bituminous primer for priming substrates to form a contact layer for bituminous waterproofing.

APPLICATIONS:

- Priming concrete substrates
- Before covering with hydrophobic coatings
- Prime under torch-applied roof membranes

BENEFITS:

- Short drying time
- Works even on slightly damp surfaces
- Deeply penetrates the substrate
- Resistant for weak acids and bases

TECHNICAL PARAMETERS:

- Consistency: liquid
- Colour: black
- Application temperature: +5°C to +35°C
- Curing time: 3 h
- Consumption: 0.2-0.3 kg/m² for 1 layer
- Number of layers: 1



* Technical data and applying instruction are given for the temperatures +23°C ± 2°C and humidity approx. 60%. A lower temperature and higher humidity may extend the curing time.

| Product name | Content | Packaging | Pieces per pallet |
|--------------|---------|--------------|-------------------|
| Abizol H/RDR | 4.5 kg | Metal bucket | 96 |
| | 9 kg | Metal can | 65 |
| | 18 kg | Metal bucket | 33 |

Abizol P/S

Universal Waterproofing Compound

Cold-applicable bituminous compound modified with synthetic rubber and resins designed for jointless hydrophobic insulation (according to the norm EN 1928:2000) of roof coverings.

APPLICATIONS:

- Hydrophobic insulation coats made on bitumen roofs
- Preserving and renovation of bitumen coverings

BENEFITS:

- Create durable and resistant layer up to -20°C
- It can be used on slightly damp surfaces
- Strongly bound to the substrate

TECHNICAL PARAMETERS:

- Consistency: half-liquid substance
- Colour: black
- Application temperature: +5°C to +35°C
- Initial drying time: 6 h
- Curing time: 12 h
- Consumption: 0.5–0.7 kg/m² for 1 layer
- Number of layers: 2–3 depending on application



* Technical data and applying instruction are given for the temperatures +23°C ± 2°C and humidity approx. 60%. A lower temperature and higher humidity may extend the curing time.

| Product name | Content | Packaging | Pieces per pallet |
|--------------|---------|-----------------------|-------------------|
| Abizol P/S | 9 kg | Bucket / metal bucket | 48/ 44 |
| | 18 kg | Bucket / metal bucket | 27/33 |

Abizol G

Bitumen Rubber Mastic

Abizol G Bitumen Rubber Mastic is a plastoelastic, dense bitumen mastic modified with synthetic rubber and reinforced with fibres. It is used for repairing bitumen, old roof coverings, local sealing of anti-moisture coatings.

APPLICATIONS:

- Filling and repairing scratches, cracks and joints in old roof coverings
- Sealing the connections between metal, concrete and bitumen

BENEFITS:

- Bonding roof felts while repairing
- Contains reinforcing fibres
- Works even on slightly damp surfaces

TECHNICAL PARAMETERS:

- Consistency: dense thixotropic substance
- Colour: black
- Layer thickness:
 - repairs: 2–5 mm
 - jointless membranes: 2–3 mm
- Application temperature: +5°C to +35°C
- Initial drying time: 3–4 h
- Curing time: 3–4 days
- Consumption: approx. 1.2 kg/m² for 1 mm layer thickness
- Number of layers:
 - hydrophobic membranes: 2–3
 - sealing: Depending on needs



* Technical data and applying instruction are given for the temperatures +23°C ± 2°C and humidity approx. 60%. A lower temperature and higher humidity may extend the curing time.

| Product name | Content | Packaging | Pieces per pallet |
|--------------|---------|-----------------------|-------------------|
| Abizol G | 1 kg | Bucket / metal bucket | 324/ 378 |
| | 5 kg | Bucket / metal bucket | 80/ 96 |

Abizol KL-DM

Cold Applied Adhesive for Bitumen Rolls



Abizol KL DM is designated for cold bonding of bitumen rolls and for medium types of waterproof insulations, even on slightly moist surfaces. It creates membranes strongly bonded to the substrate and resistant to water.

APPLICATIONS:

- Bonding the bitumen rolls to various substrates
- Bonding mineral wool in flat roof systems
- Creating medium type waterproof coating

BENEFITS:

- Very good initial tack
- Excellent bonding properties
- Very good crack bridging up to 2 mm

TECHNICAL PARAMETERS:

- Consistency: dense thixotropic substance
- Colour: dark brown
- Application temperature: +5°C to +35°C
- Layer thickness: up to 2 mm
- Drying time: 3–5 days
- Consumption:
 - punctually gluing: approx. 1 kg/m²
 - hydrophobic insulation: 1.2 kg/m² for 1 mm thickness
 - number of layers: min 2

* Technical data and applying instruction are given for the temperatures +23°C ± 2°C and humidity approx. 60%. A lower temperature and higher humidity may extend the curing time.

| Product name | Content | Packaging | Pieces per pallet |
|--------------|---------|-----------------------|-------------------|
| Abizol KL-DM | 9 kg | Bucket / metal bucket | 44/ 44 |
| | 18 kg | Bucket / metal bucket | 27/33 |

Disprobit

Dispersive Asphalt Compound



Disprobit is a dispersive asphalt compound modified with synthetic rubber. The coating creates a light waterproofing layer.

APPLICATIONS:

- Renovation and maintenance of roof coverings made of roof felt
- Can be used as primer under bitumen compounds (1:2 water based compounds)

BENEFITS:

- Works on dry and damp surfaces
- Does not contain solvents

TECHNICAL PARAMETERS:

- Consistency: thixotropic substance
- Colour: dark brown / black
- Application temperature: +5°C to +30°C
- Priming:
 - dilution with water: 1:2
 - consumption: 0.2–0.3 kg/m²
- Insulation:
 - curing time for 1 layer: 6 h
 - consumption: 0.8–1.2 kg/m² for 1 layer
 - number of layers: 2–4 depending on application
 - tool cleaning: water, once cured organic solvent

| Product name | Content | Packaging | Pieces per pallet |
|--------------|---------|-----------------------|-------------------|
| Disprobit | 5 kg | Bucket | 80 |
| | 10 kg | Bucket / metal bucket | 44/ 44 |
| | 20 kg | Bucket / metal bucket | 27/33 |

Alubit Reflex

Protective Roof Coating

Alubit Reflex is a silver coloured, protective coating used for maintenance and preservation of bitumen and metal surfaces on both flat and sloped roofs. It provides additional protection and prevents the development of corrosion of metal roof coverings and flashings.



APPLICATIONS:

- Protecting roof coverings against ageing and corrosion resulting from UV and weather
- Flat and sloped roofs made of bituminous materials, steel, concrete and ceramic tiles and wood

BENEFITS:

- Creates a silver, reflective layer
- Prolongs durability of roof coverings for 5 years
- Protects and prevents the development of rust

TECHNICAL PARAMETERS:

- Consistency: liquid
- Colour: silver
- Application temperature: +5°C to +30°C
- Curing time: 4 h
- Consumption: 0.15–0.20 kg/m²
- Number of layers: 1

* Technical data and applying instruction are given for the temperatures +23°C ± 2°C and humidity approx. 60%. A lower temperature and higher humidity may extend the curing time.

| Product name | Content | Packaging | Pieces per pallet |
|---------------|---------|-----------|-------------------|
| Alubit Reflex | 5 kg | Metal can | 96 |



Aqua Protect Polyurethane-Bituminous Resin

Ready-to-use solution for flashing of bituminous roofs. Thanks to it, there is no need to install time-consuming flashing using bituminous membranes. The use of this solution reduces the time required to perform roof flashings to a third.



APPLICATIONS:

- Performing all kinds of flashings
- Joining various building materials, new and renovated surfaces.
- Applying roof treatments and for corner bends, attics and firewalls.

BENEFITS:

- Flexibility up to 300%
- 3 times faster roof flashings (comparing with bitumen membrane)
- Up to -36°C frost resistance
- High UV resistance
- Easy roof flashings especially in hard to reach places
- No need for use of a flame

TECHNICAL PARAMETERS:

- Colour: black
- Consistency: semi-fluid paste
- Density: 1.30–1.32 g/ml
- Skin-over time: 40–70 min
- Temperature range: -36°C to +80°C
- Elongation up to 300%
- Shore A hardness: 30–32

| Product name | Content | Packaging | Pieces per pallet |
|--|---------|-----------|-------------------|
| Aqua Protect Polyurethane-Bituminous Resin | 5 kg | Bucket | 60 |

AQUA PROTECT Polymer Resin

Elastic coating, based on MS technology. Ready to use. Cures with contact to air humidity. Intended for waterproofing and all kind of repairing works.



APPLICATIONS:

- Especially suitable for repairing leaks, joints between roofs and joints between ducts and joinery
- Waterproofing and renovation of gutters, joints in chimneys, skylights and ventilation outlets
- Applicable on the most common construction materials

BENEFITS:

- Suitable for wet areas
- Fast curing
- Easy to apply in wide range of temperatures (+5°C to +50°C)
- Very good adhesion to wide range of common substrates
- Can be apply without primer
- High elasticity (up to 400%)
- Watertight
- Withstands very extreme temperatures -40°C to +90°C
- High resistance to UV and different weather conditions
- Paintable
- Anti-mould

TECHNICAL PARAMETERS:

- Colour: black, grey, white, terracotta
- Consistency: semi-fluid paste
- Coverage: 1.5 – 3 kg/m²
- Curing time: 2 mm in 24
- Temperature range: -40°C to +90°C
- Elongation up to 400%
- Shore A hardness: 30–32

| Product name | Content | Packaging | Pieces per pallet |
|----------------------------|---------|-----------|-------------------|
| AQUA PROTECT Polymer Resin | 1 kg | Can | 396 |

AQUA PROTECT MS Polymer Sealant - Adhesive



MS Hybrid one-component, highly elastic (300%) mounting adhesive. Does not contain solvents, isocyanates or water. It is a universal product which finds wide application and gives a flexible, colourless joint. Adhesive recommended for various assembly and finishing works in roofing applications.

APPLICATIONS:

- Bonding wide range of finishing materials to typical surfaces, such as: concrete, wood, brick, glass and metal
- Bonding of various elements to wood, glass, concrete, metal and plastic substrates
- Joining elements of gutters made of copper, galvanized steel, crude steel and PVC
- Bonding roofing sheets and ceramic tiles
- Sealing joints and connections in roof finishing works

TECHNICAL PARAMETERS:

- Colour: transparent
- Density [g/ml]: 0.99 ± 0.05
- Skin formation time [min]: ~10
- Curing time: 3-4 mm in 24 h
- Temperature range: -30°C to +90°C
- Elongation up to 300%

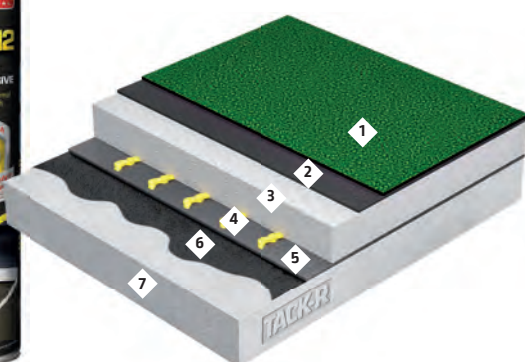
BENEFITS:

- Highly flexible joint (300%)
- Transparent joint
- Can be used on humid (but not wet) surfaces
- High final strength
- Excellent adhesion to most surfaces, both porous and non-porous, e.g. metal sheets, various synthetic materials or glass
- Moisture resistant
- Does not discolour porous substrates
- Can be painted

| Product name | Content | Packaging | Pieces per pallet |
|--|---------|-----------|-------------------|
| AQUA PROTECT MS Polymer Sealant - Adhesive | 280 ml | Cartouche | 1440 |

KDT 12

Foam Adhesive for Thermal Insulation



KDT 12 is intended for mounting thermal insulation boards on flat roofs, both new and renovated. It ensures perfect adhesion to typical construction materials and increased wind resistance.

APPLICATIONS:

- Mounting insulation boards on flat roofs
- It is suitable for polystyrene boards, XPS, mineral wool

BENEFITS:

- Wind resistant formula
- High yield
- Fast initial curing time (1 h)
- Application below 0°C
- Perfect adhesion to typical construction materials
- Easy application

TECHNICAL PARAMETERS:

- Coverage: 13 m²
- Application temperature: -5°C to +35°C
- Can temperature: +5°C – +35°C (optimum +20°C)
- Open time: ≤ 10 min
- Correction time: < 15 min
- Anchoring time: ≥ 2 h
- Heat conductivity factor: > 0.036 W/mK

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--------------|---------|-----------|----------------|-------------------|
| KDT 12 | 750 ml | Can | 12 | 624 |



SLOPING ROOFS



- 52 Rubber Roof Sealant
- 52 Bitumen Roof Sealant
- 53 Silver Metal Roof Sealant
- 53 X-Treme Fiber Roof Sealant
- 54 Specialized Roof Sealant
- 54 Water Stop Plastic Bitumen Sealing
- 55 Roof Adhesive
- 55 Roof Gun Foam Adhesive
- 56 Chimney Tape
- 56 Roof Ridge Tape GEO
- 57 Roof Ridge Tape MAT
- 57 Roofing Sealing Tape
- 58 Tytan 100, 120 Breathable Roof Membrane
- 59 Tytan 130, 145, 160 Breathable Roof Membrane
- 60 Matizol MAX Bitumen Shingles MAXBitumen Shingles
- 60 Matizol SBS Bitumen Ridge Shingles
- 61 Matizol SBS
- 61 Matizol Roof Membrane
- 62 Bitumen Shingle Adhesive
- 62 Bitumen Cleaner Fast & Safe Remover
- 63 Flexi Gum Fast Leaks Repair

SLOPING ROOFS





The main function of the roof is to protect against precipitation

That is why the key parameter of any roof is its sealing. Properly sealed roof panels protect the roof structure and the whole building against moisture, which is the main cause of the following undesirable effects: dampness of thermal insulation leading to a loss in insulating capacity, deformation of roof trusses and growth of moulds and fungi

The sloping roof, due to its complex, multi-element structure, is particularly sensitive to leakage. This is why it is crucial to render proper sealing of all the elements which stand above the roof surface or which break the continuity of the roof tiles (for example, chimneys, roof windows, etc.). Moreover, it is key for roof integrity to seal all the joints made of different materials or different roof elements (such as eaves, corners, roof valleys or dormer windows).

Chimney flashing

Chimney stacks break the continuity of all the layers of the roof covers. Chimney flashing is applied as weatherproofing to prevent rain water from penetrating under the roof cover. The traditional solution is metal sheet flashing. However, it is a multi-stage, time-consuming and complex procedure. A chimney sealing tape can be applied instead. It forms a tight flange connecting the chimney surface with the roof cover. It does not require cutting in of the chimney stack which makes the process of treatment shorter. The sealing strips are more flexible and put smaller load on the roof structure.

Joining materials on the roof

Regardless of the kind of roof cover (ceramic tile, sheet metal tile, cement tile, or bituminous shingle), a large percentage of roofing treatments are made of sheet metal which, eventually, has to be made waterproof. It is essential that the sealing materials that we choose are adequate for joining different types of materials while preserving the highest possible technical standards, such as the following:

- strong adhesion to substrate
- UV resistance, corrosion and wear resistance
- temperature range
- elasticity
- curing time
- run-off resistance at high temperatures

The sealing of leakage

With the passage of time, even the most carefully made roof covers are exposed to leakage. When this happens, it is crucial to react quickly and effectively in order to prevent further damage.

Emergencies like these require the application of special materials which can be applied:

- on wet substrates
- on stagnant water
- at below zero temperatures



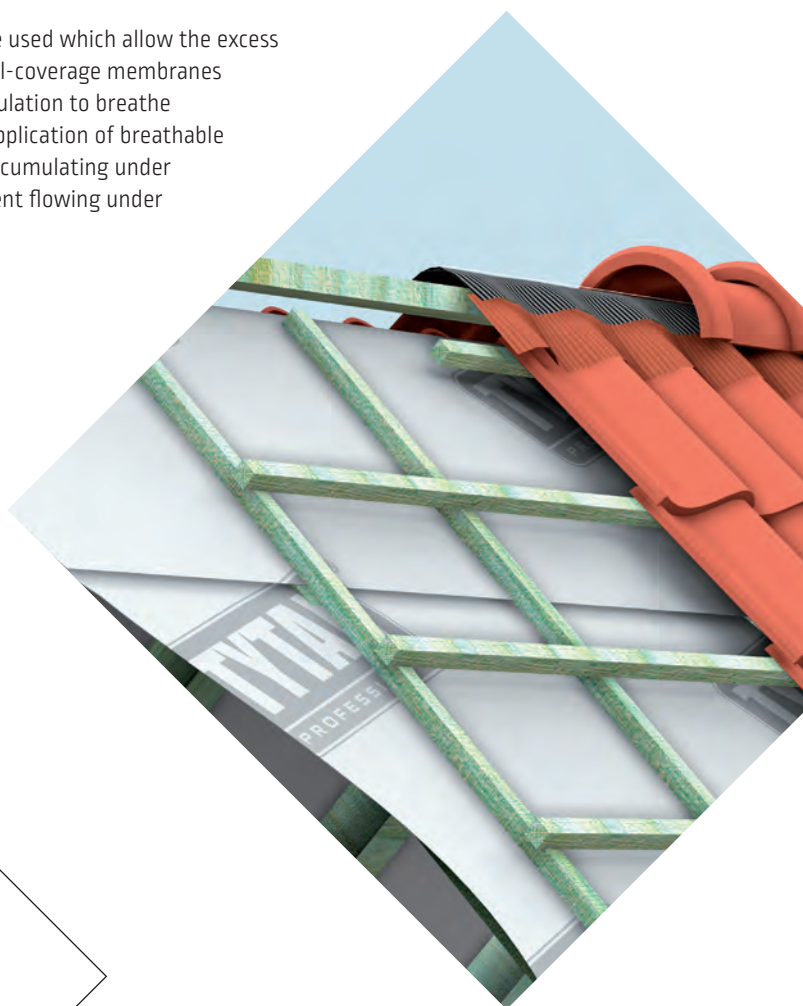
In addition to sealing properties, another crucial parameter of the roof cover is ventilation

Moisture can appear inside buildings not only from the outside but also as a result of the normal functioning inside buildings, such as washing, cooking, bathing, drying laundry and breathing. In the case of leaky vapour insulation inside the attic, the moisture accumulates in the insulation layer and this leads to the higher heat transfer ratio due to the lower insulation capacity of the material and this, in turn, leads to the chilling of the attic and higher heating costs, and in extreme cases, to the growth of mould and fungi.

Roof cover ventilation

Ventilated roofs are laid in such a way that there is a ventilation gap left between the formwork boarding or the initial coverage membrane and the insulation layer. Thanks to that, the air flows in through an open bottom eave and escapes through a ridge. If the ventilation gap is unobstructed along its entire length, the flow of air dries all the excess moisture that accumulates in the thermal insulation and in the roof structure.

In order to achieve effective ventilation, proper materials must be used which allow the excess moisture in the thermal insulation to wick away. This is why initial-coverage membranes of high vapour permeability are used which allow the thermal insulation to breathe and prevent excess moisture from accumulating. Thanks to the application of breathable membranes with low vapour diffusion resistance, the moisture accumulating under the membrane is transferred into the atmosphere by the air current flowing under the roof cover from the eave to the ridge.



A ridge is the crucial element in the process of ventilation of the roof cover. In order to ensure its proper progress, we use special, highly vapour-permeable ridge tapes. They protect the inside of the roof cover against dust, nesting birds and precipitation and, at the same time, transfer damp air outside.

Rubber

Roof Sealant

Flexible rubber sealant for roof sealing and repairs. Highly resistant to weather conditions. It has an excellent adherence to common construction substrates, including bituminous ones.



APPLICATIONS:

- Finishing of roof flashings: chimneys, eaves, gutters and roof windows
- Sealing roof details and connections between different roofing materials
- Repairing leaks in roof coverings
- Sealing elements of roof construction (drainage, ventilation, air-conditioning or flue gas ducts)

BENEFITS:

- Can be used on damp and smooth substrates
- Paintable
- Strong resistance to ageing
- Creates durable, easy-fitting and flexible joint

TECHNICAL PARAMETERS:

- Consistency: viscous paste
- Tooling: 3–15 min
- Curing time: 1–2 mm/ 24 h
- Elasticity (elongation at breakage): ISO 37 450%
- Tensile strength: ISO 37 0.70 MPa
- Shore A hardness: ISO 868 16
- Application temperature: +5°C to +40°C
- Temperature range: -20°C to +90°C

* Tested at +23°C and 50% relative humidity.

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|---------------------|---------|-----------|----------------|-------------------|
| Rubber Roof Sealant | 310 ml | Cartridge | 12 | 1 440 |

Bitumen

Roof Sealant

Permanently flexible roofing sealant with a bituminous and rubber base, recommended for repair and insulation of different roof coverings, including membranes, bituminous shingles and asphalt roofing. Do not use in contact with tar or for tar membranes.



APPLICATIONS:

- Finishing of roof flashings: chimneys, eaves, gutters and roof windows
- Sealing roof details and connections between different roofing materials
- Bonding membrane coatings and fixing membrane to concrete
- Repairing leaks in roof coverings
- Sealing elements of roof construction (drainage, ventilation, air-conditioning or flue gas ducts)

BENEFITS:

- Can be used on dry and damp substrates
- Resistant to moisture and changing weather conditions

TECHNICAL PARAMETERS:

- Consistency: viscous paste
- Tooling time: 8–30 min
- Curing time: 1-1.5 mm/ 24 h
- Slump resistance +50°C: ISO 7390 > 5 mm
- Slump resistance +70°C: ISO 7390 > 20 mm
- Application temperature: +10°C to +35°C
- Temperature range: -50°C to +90°C

* Tested at +23°C and 50% relative humidity.

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|----------------------|---------|-----------|----------------|-------------------|
| Bitumen Roof Sealant | 310 ml | Cartridge | 12 | 1 440 |

Silver

Metal Roof Sealant

A permanently flexible bituminous roofing sealant with the addition of aluminium pigments that creates a silver coat. Do not use in contact with tar or for tar membranes.



APPLICATIONS:

- Finishing of roof flashings: chimneys, eaves, gutters, roof windows
- Sealing roof details and connections made of metal sheets and other materials
- Repairing leaks in roof coverings
- Sealing elements of roof construction (drainage, ventilation, air-conditioning or flue gas ducts)

BENEFITS:

- Increased resistance to UV radiation and ageing
- Can be used on dry and damp substrates
- Resistant to moisture and changing weather conditions
- Contains no asbestos fibres

TECHNICAL PARAMETERS:

- Consistency: viscous paste
- Tooling time: 15–30 min
- Curing time: 2–3 mm/ 24 h
- Slump resistance +50°C: ISO 7390 > 40 mm
- Application temperature: +10°C to +35°C
- Temperature range: -50°C to +90°C

* Tested at +23°C and 50% relative humidity.

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|---------------------------|---------|-----------|----------------|-------------------|
| Silver Metal Roof Sealant | 310 ml | Cartridge | 12 | 1 440 |

X-Treme

Fiber Roof Sealant

X-treme Fiber Sealant is an instant repair mass, based on a new generation of synthetic rubber, strengthened with polymer fibres.



APPLICATIONS:

- For permanent or emergency repairs of all types of roofing
- Repair and sealing of cracks in gutters (galvanized sheet, coated sheet, copper, PVC)
- Sealing ventilation outlets and chimneys

BENEFITS:

- Sealing in standing water
- Can be used during snow and rain
- Durable and flexible coating
- Good adhesion to porous and non-porous surfaces

TECHNICAL PARAMETERS:

- Consistency: sticky paste
- Tooling time: 2–10 min
- Curing time: 1-1.5 mm/ 24 h
- Elasticity (elongation at breakage): ISO 37 110%
- Tensile strength: ISO 37 0.75 MPa
- Shore hardness: ISO 868 20
- Application temperature: -10°C to +40°C
- Temperature range: -20°C to +90°C
- Temperature range in service: 0°C to +25°C*

* Tested at +23°C and 50% relative humidity.

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|----------------------------|---------|-----------|----------------|-------------------|
| X-Treme Fiber Roof Sealant | 310 ml | Cartridge | 12 | 1 440 |
| | 1 kg | Metal can | 5 | 628 |

Specialized

Roof Sealant

Specialized Roof Sealant creates a plastic joint characterized by high resistance to ageing. The product is compatible with all Tytan Professional roofing membranes.



APPLICATIONS:

- Finishing of roof flashings: chimneys, eaves, gutters and roof windows
- Sealing of the corrugated and trapezoidal metal sheets
- Bonding roofing films, roofing membranes and cold bitumen membranes
- For permanent or emergency repairs of all types of roofing
- Sealing elements of roof construction (drainage, ventilation, air-conditioning or flue gas ducts)

TECHNICAL PARAMETERS:

- Consistency: viscous paste
- Tooling time: 5–10 min
- Curing time: 1 mm/ 24 h
- Slump resistance in +50°C: ISO 7390 > 2 mm
- Shore A hardness ISO 868 35 40
- Application temperature: -10°C to +30°C
- Temperature range: -20°C to +90°C
- Temperature range in service: 0°C to +25°C

BENEFITS:

- Excellent adhesion to different surfaces including bitumen, clinker and steel
- Slump resistant up to +70°C
- Good adhesion to wet surfaces – can be applied even under water
- Mould resistant and antibacterial

* Tested at +23°C and 50% relative humidity.

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--------------------------|---------|-----------|----------------|-------------------|
| Specialized Roof Sealant | 280 ml | Cartridge | 12 | 1 440 |
| | 310 ml | Cartridge | 12 | 1 440 |

Water Stop

Plastic Bitumen Sealing

Water Stop is a one component plastic bitumen recommended for emergency and temporary repairs to prevent water leakage. Water Stop creates an efficient waterproof barrier and prepares the substrate for subsequent renovation works.



APPLICATIONS:

- Emergency repairs to prevent water leakage
- Filling cracks and scratches in roofs

BENEFITS:

- Can be applied on moist surfaces
- Excellent adhesion to most roofing materials
- Reinforced with glass fibre
- 100% waterproof
- Resistant to changing weather conditions
- Asbestos free

TECHNICAL PARAMETERS:

- Consistency: semi-solid paste
- Colour: black
- Tooling time: 20–40 min
- Application temperature: +10°C to +35°C
- Temperature range: -50°C to +90°C
- Temperature range in service: +5°C to +20°C

* Tested at +23°C and 50% relative humidity.

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--------------|---------|-----------|----------------|-------------------|
| Water Stop | 1 kg | Metal can | 6 | 528 |
| | 5 kg | Metal can | 1 | 144 |

Roof Adhesive



One-component hybrid-based adhesive, designed specifically for roofing applications. Characterized by excellent adhesion to roofing materials such as lacquered and galvanized steel or ceramic roof-tiles.

APPLICATIONS:

- Bonding gutter elements made of copper, galvanized steel and PVC
- Bonding raw, galvanized, coated and titanium zinc steel
- Bonding ceramic, concrete and metal roof tiles
- Bonding roofing brass and ceramic roof tiles to various surfaces, such as metal, brick, concrete or wood
- Sealing penetrations and joints in roofing works

TECHNICAL PARAMETERS:

- Curing rate: 2–3 mm/ 24 h
- Tooling time: 10–20 min
- Productivity: 200–350 g/m²
- Application temperature: +5°C to +30°C
- Temperature range: -30°C to +90°C

BENEFITS:

- Resistant to extreme climate conditions and to most chemicals
- Does not damage sensitive surfaces
- Highly elastic
- Applicable on dry and moist surfaces
- Solvent-free, silicone-free and isocyanates-free

* Tested at +23°C and 50% relative humidity.

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|---------------|---------|-----------|----------------|-------------------|
| Roof Adhesive | 290 ml | Cartridge | 12 | 1 440 |

Roof

Gun Foam Adhesive



A polyurethane foam adhesive designed especially for mounting and sealing of roof coverings made of tiles, tinware and other materials.

APPLICATIONS:

- Roof tiles installation and repairs
- Thermal insulation of roof coverings – filling gaps under the roof covering
- Reduction of thermal bridges in roof structures, e.g. at the junction between a wall plate and gable wall

TECHNICAL PARAMETERS:

- Colour: brick, grey
- Coverage: up to 45 l
- Cutting time: ≤ 60 min
- Ambient temperature: 0°C to +30°C
- Can temperature: +10°C to +30°C
- Shelf life: 18 months

BENEFITS:

- Excellent adhesion to roofing surfaces and typical building materials
- Low expansion
- Resistant to mildew, mould and fungi
- Excellent thermal and acoustic insulation

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|------------------------|---------|-----------|----------------|-------------------|
| Roof Gun Foam Adhesive | 750 ml | Can | 12 | 624 |

Chimney Tape



Aluminium chimney tape, fully coated with butyl adhesive for superior adhesion. It is ideal for weatherproofing roof flashings such as side and top abutments around chimneys and dormers.

APPLICATIONS:

- Roof flashings of chimneys and dormers

BENEFITS:

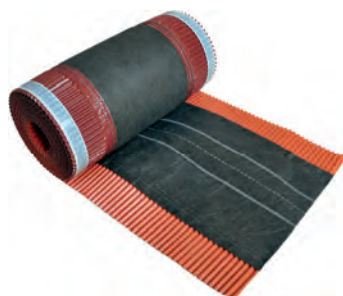
- 3D profiled surface which enables easy and close adjustment of the tape to the required shape
- The backing film is cut in the middle for easy removal
- Butyl adhesive provides an immediate seal
- 2 layers of UV resistant paint

TECHNICAL PARAMETERS:

- Size: 300 mm x 5 m
- Aluminium thickness: 0.12 mm
- Colours:
 - brick (RAL 8004)
 - grey brown (RAL 8019)
 - anthracite (RAL 7021)
 - chestnut brown (RAL 8015)
 - black (RAL 9005)
 - cherry (RAL 3004)

| Product name | Dimensions | Pieces per box | Pieces per pallet |
|--------------|--------------|----------------|-------------------|
| Chimney Tape | 300 mm x 5 m | 1 box = 1 pc | 144 |

Roof Ridge Tape GEO



The Roof Ridge Tape seals the ridge against wind-transported snow and rain, at the same time allowing roof ventilation. It is made of two strips of pleated aluminium sheet and a durable permeable fabric (Geotextile). The back of the aluminium is coated with self-adhesive butyl strips, 30 mm wide.

APPLICATIONS:

- Sealing of roof ridge

BENEFITS:

- Robust connection of aluminium and fabric thanks to adhesive and 2 firm polyester yarns
- Waved aluminium allows to adjust the tape shape to the tile
- 2 strips of butyl adhesive

TECHNICAL PARAMETERS:

- Size: 300 mm x 5 m
- Aluminium thickness: 0.12 mm
- Fabric: geotextile, polyester non-woven fabric, surface mass: 120 g/m²
- Colours:
 - Brick (RAL 8004)
 - Grey brown, (RAL 8019)
 - Anthracite (RAL 7021)
 - Chestnut brown (RAL 8015)
 - Black (RAL 9005)
 - Cherry (RAL 3004)

| Product name | Dimensions | Pieces per box | Pieces per pallet |
|---------------------|--------------|----------------|-------------------|
| Roof Ridge Tape GEO | 300 mm x 5 m | 1 box = 1 pc | 144 |

Roof Ridge Tape MAT

The Roof Ridge Tape seals the ridge against wind-transported snow and rain, at the same time allowing roof ventilation. It is made of two strips of pleated aluminium sheet and a durable permeable fabric (PPtextile). The back of the aluminium is coated with self-adhesive butyl strips, 30 mm wide.



APPLICATIONS:

- Sealing of roof ridge

BENEFITS:

- Robust connection of aluminium and fabric thanks to adhesive and 2 firm polyester yarns.
- Waved aluminium allows to adjust the tape shape to the tile
- 2 strips of butyl adhesive

TECHNICAL PARAMETERS:

- Size: 300 mm x 5 m
- Aluminium thickness: 0.12 mm
- Fabric: polypropylene fabric (polypropylene woven fibres, surface mass: 220 g/m²)
- Colours:
 - brick (RAL 8004)
 - grey brown, (RAL 8019)
 - anthracite (RAL 7021)
 - chestnut brown (RAL 8015)
 - black (RAL 9005)
 - cherry (RAL 3004)

| Product name | Dimensions | Pieces per box | Pieces per pallet |
|---------------------|--------------|----------------|-------------------|
| Roof Ridge Tape MAT | 300 mm x 5 m | 1 box = 1 pc | 144 |

Roofing Sealing Tape

Self-adhesive bituminous waterproofing tape protected with aluminium film. Strong adhesive power makes it ideal for sealing, waterproofing and protecting any roof surface.



APPLICATIONS:

- Finishing of roof flashings: chimneys, eaves, gutters, roof windows and skylights
- Sealing roof details and connections between different roofing materials
- Repairing leaks in roof coverings and drainage elements (gutters, metal pipes)
- Sealing elements of roof construction (drainage, ventilation, air-conditioning or flue gas ducts)

BENEFITS:

- Versatile and easy-to-use
- Flexible
- Excellent UV and weather resistance
- Good initial tack and strong seal
- Great adhesion to many materials, e.g. concrete, stone and metals

TECHNICAL PARAMETERS:

- Thickness: 1.5 mm
- Aluminium thickness: 0.04 mm
- Initial tack: immediately
- Final bonding strength: after 24 h
- Tensile strength 4.5 kN/m
- Water penetration: 0.3 gr/m² (24 h/ 1 bar)
- Application temperature: > +5°C
- Temperature range: -30°C to +85°C

| Product name | Dimensions | Pieces per box | Pieces per pallet |
|----------------------|---------------|----------------|-------------------|
| Roofing Sealing Tape | 7.5 cm x 10 m | 1 box = 4 pcs | 400 |
| | 10 cm x 10 m | 1 box = 3 pcs | 300 |
| | 15 cm x 10 m | 1 box = 2 pcs | 200 |
| | 30 cm x 10 m | 1 box = 1 pc | 100 |

Tytan 100, 120 Breathable Roof Membrane



Three-layer vapour-permeable roof membrane. Made of two layers of polypropylene non-woven and special functional film which ensures high vapour permeability and water sealing of the underlay. Owing to its high vapour permeability, it can be applied directly on insulation and consequently a venting slot is not required between the membrane and the thermal insulation.

APPLICATIONS:

- The membrane is designed for use in the construction industry as an initial roof covering on pitched roofs

BENEFITS:

- Highly vapour permeable
- Watertight
- Ageing resistant

TECHNICAL PARAMETERS TYTAN 100:

- Mass per unit area: 100 g/m² (± 10%)
- Tensile strength – longitudinal (MD): 170 N/ 50 mm (± 30%)
- Tensile strength – transverse (CD): 90 N/50 mm (± 30%)
- Elongation – longitudinal (MD): 55% (± 40%)
- Elongation – transverse (CD): 57% (± 40%)
- Tear resistance – nail shank; longitudinal (MD): 80 N
- Tear resistance – nail shank; transverse (CD): 80 N
- Water vapour transmission (Sd): 0.02 (± 0.015 m)
- Water sealing W1
- Reaction to fire: class F
- Flexibility at low temperature: -20°C

TECHNICAL PARAMETERS TYTAN 120:

- Mass per unit area: 120 g/m² (± 10%)
- Tensile strength – longitudinal (MD): 190 N/50 mm (± 30%)
- Tensile strength – transverse (CD): 120 N/50 mm (± 30%)
- Elongation – longitudinal (MD): 55% (± 40%)
- Elongation – transverse (CD): 60% (± 40%)
- Tear resistance – nail shank; longitudinal (MD): 100 N
- Tear resistance – nail shank; transverse (CD): 100 N
- Water vapour transmission (Sd): 0.02 (± 0.015 m)
- Water sealing W1
- Reaction to fire: class E
- Flexibility at low temperature: -20°C

| Product name | Dimensions | Pieces per pallet |
|--------------|--------------|-------------------|
| Tytan 100 | 1.5 m x 50 m | 50 |
| Tytan 120 | 1.5 m x 50 m | 50 |

Membranes

The universal measure of vapour permeability is the Sd coefficient, which is an aerial equivalent of diffusional resistance. It defines the thickness of the air layer which resists the vapour to the same extent as a given material.

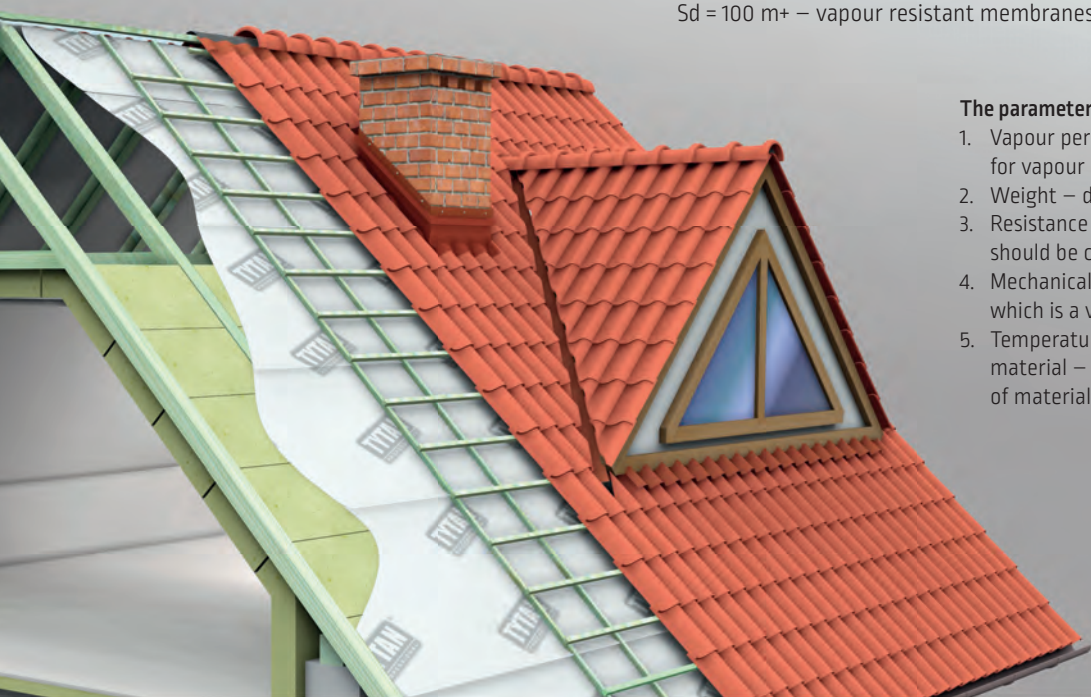
Sd = 0.02–0.1 m – high vapour permeability membranes

Sd = 1.0–3.0 m – low vapour permeability membranes

Sd = 100 m+ – vapour resistant membranes

The parameters of roofing films and membranes:

- Vapour permeability which defines capacity for vapour penetration through the material.
- Weight – defines membrane thickness.
- Resistance to penetration by water – membranes should be completely waterproof.
- Mechanical properties – mainly tear strength, which is a vital factor during installation.
- Temperature range for the application of a given material – it defines its durability and the quality of materials over time.



Tytan 130, 145, 160

Breathable Roof Membrane



Three-layer vapour-permeable roof membrane. Made of two layers of polypropylene non-woven and special functional polyethylene film which ensures high vapour permeability and water sealing of the underlay. Owing to its high vapour permeability, it can be applied directly on insulation and consequently a venting slot is not required between the membrane and the thermal insulation.

APPLICATIONS:

- The membrane is designed for use in construction industry as an initial roof covering on pitched roofs

BENEFITS:

- Highly vapour permeable
- Watertight
- Tear resistant

TECHNICAL PARAMETERS TYTAN 130:

- Mass per unit area: 130 g/m² (± 10%)
- Tensile strength – longitudinal (MD): 220 N/ 50 mm (± 30%)
- Tensile strength – transverse (CD): 140 N/50 mm (± 30%)
- Elongation – longitudinal (MD): 55% (± 40%)
- Elongation – transverse (CD): 57% (± 40%)
- Tear resistance – nail shank; longitudinal (MD): 110 N
- Tear resistance – nail shank; transverse (CD): 110 N
- Water vapour transmission (Sd): 0.02 (± 0.015 m)
- Water sealing W1
- Reaction to fire: class E
- Flexibility at low temperature: -20°C

TECHNICAL PARAMETERS TYTAN 145:

- Mass per unit area: 145 g/m² (± 10%)
- Tensile strength – longitudinal (MD): 240 N/ 50 mm (± 30%)
- Tensile strength – transverse (CD): 155 N/ 50 mm (± 30%)
- Elongation – longitudinal (MD): 55% (± 40%)
- Elongation – transverse (CD): 62% (± 40%)
- Tear resistance – nail shank; longitudinal (MD): 125 N
- Tear resistance – nail shank; transverse (CD): 120 N
- Water vapour transmission (Sd): 0.02 (± 0.015 m)
- Water sealing W1
- Reaction to fire: class E
- Flexibility at low temperature: -20°C

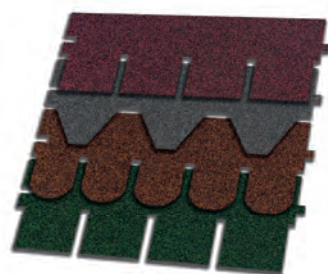
TECHNICAL PARAMETERS TYTAN 160:

- Mass per unit area: 160 g/m² (± 10%)
- Tensile strength – longitudinal (MD): 270 N/50 mm (± 30%)
- Tensile strength – transverse (CD): 180 N/ 50 mm (± 30%)
- Elongation – longitudinal (MD): 86% (± 40%)
- Elongation – transverse (CD): 92% (± 40%)
- Tear resistance – nail shank; longitudinal (MD): 108N
- Tear resistance – nail shank; transverse (CD): 125 N
- Water vapour transmission (Sd): 0.02 (± 0.015 m)
- Water sealing W1
- Reaction to fire: class E
- Flexibility at low temperature: -20°C

| Product name | Dimension | Pieces per pallet |
|--------------|--------------|-------------------|
| Tytan 130 | 1.5 m x 50 m | 50 |
| Tytan 145 | 1.5 m x 50 m | 50 |
| Tytan 160 | 1.5 m x 50 m | 40 |

Matizol MAX

Bitumen Shingles MAX



MATIZOL MAX asphalt shingles are made on the basis of a glass net. The top side of the shingles is covered with coarse, coloured mineral grit. The bottom side is protected with plastic film, which must be removed before installation. MATIZOL MAX asphalt shingles are designed for roofing on a rigid substrate made of boards or other material enabling nails to be driven.

APPLICATIONS:

- Sloped roofs with an angle between 12°C and 75°C
- Both new and renovated coatings

BENEFITS:

- For covering maximum diverse roofs
- Increased thickness by 10%
- Increased durability
- Exceptional aesthetics
- Unique, intense colours

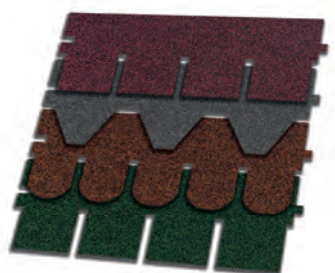
TECHNICAL PARAMETERS:

- Content of asphalt: 944 ± 150 g/m²
- The maximum tensile force N/50 mm:
 - Direction along the width: ≥ 600
 - Direction along the height: ≥ 400
- Nail tearing strength: ≥ 100 N
- Reaction to fire: class E
- External fire: BROOF(t1)
- Flow resistance at +90°C: ≤ 2 mm
- Water absorption: ≤ 2%
- Mineral topping adhesion: ≤ 2.5 g

| Product name | Type | quantity in package m ² | m ² /piece | Pieces per pallet |
|--------------|-------------|------------------------------------|-----------------------|-------------------|
| MATIZOL MAX | Hexagon | 3.20 | 78.00 m ² | 26 |
| | Rectangular | 3.20 | 83.20 m ² | 26 |
| | Beaver tail | 3.20 | 83.20 m ² | 26 |

Matizol SBS

Bitumen Shingles



Bitumen shingles Matizol SBS is a line of roof coverings with increased bitumen content, intended for individual, residential and industrial buildings. The structural base of Matizol shingles is a glass-fibre tissue covered on both sides by a bitumen protective layer that is weather and ageing resistant. The entire bottom surface of Matizol shingles is covered with bituminous adhesive for efficient application of shingles to the substrate.

APPLICATIONS:

- Sloped roofs with an angle between 12° and 75°
- Both new and renovated coverings

BENEFITS:

- Very good application properties (complete adherence of each layer)
- Long-lasting quality confirmed by a 20 year guarantee
- Flexible even at freezing temperatures

TECHNICAL PARAMETERS:

- Content of asphalt: ≥ 1 300 g/m²
- The maximum tensile force N/50 mm:
 - Direction along the width: ≥ 600
 - Direction along the height: ≥ 400
- Nail tearing strength: ≥ 100 N
- Reaction to fire: class E
- External fire: BROOF(t1)
- Flow resistance at +90°C: ≤ 2 mm
- Water absorption: ≤ 2%
- Mineral topping adhesion: ≤ 2.5 g

| Product name | Type | quantity in package | m ² /piece | Pieces per pallet |
|--------------|-------------|---------------------|-----------------------|-------------------|
| Matizol SBS | Hexagon | 3.20 | 78.00 m ² | 26 |
| | Rectangular | 3.20 | 83.20 m ² | 26 |
| | Beaver tail | 3.20 | 83.20 m ² | 26 |

Matizol SBS

Bitumen Ridge Shingles



A complementary line of ridge shingles was created for capping the ridges and hips of the roof. Bitumen ridge shingles are based on a carrier of woven glass and characterized by the same features as Matizol SBS bitumen shingles to fully suit its range.

APPLICATIONS:

- Roof ridges and hips of the roofs

BENEFITS:

- High elasticity
- Durability
- Resistance to biological corrosion

TECHNICAL PARAMETERS:

- Content of asphalt: $\geq 1300 \text{ g/m}^2$
- The maximum tensile force N/ 50 mm:
 - Direction along the width: ≥ 600
 - Direction along the height: ≥ 400
- Nail tearing strength: $\geq 100 \text{ N}$
- Reaction to fire: class E
- External fire: BROOF(t1)
- Flow resistance at $+90^\circ\text{C}$: $\leq 2 \text{ mm}$
- Water absorption: $\leq 2\%$
- Mineral topping adhesion: $\leq 2.5 \text{ g}$

Matizol Roof Membrane

Roof membrane made of non-woven polyester and a bitumen-polymer mixture



APPLICATIONS:

- Roof membrane is intended as a base layer for discontinuous roofing, e.g. asphalt shingles, sheets and tiles. Membrane is mechanically fastened to boards, OSB boards and MFP boards

BENEFITS:

- 10 year warranty
- Resistance to tears and cuts
- Flexibility at freezing temperatures down to -25°C

TECHNICAL PARAMETERS:

- Mass per unit area: $1200 \text{ g/m}^2 \pm 20\%$
- Elongation – longitudinal (MD): $[500 \pm 150] \text{ N/ 50 mm}$
- Elongation – transverse (CD): $[350 \pm 100] \text{ N/ 50 mm}$
- Tear resistance – nail shank; Longitudinal (MD): $[140 \pm 50] \text{ N}$
- Tear resistance – nail shank; Transverse (CD): $[200 \pm 50] \text{ N}$
- Water sealing: class W 1
- Reaction to fire: class E
- Flexibility at low temperature: $\leq -25^\circ\text{C}$
- Size: $20.0 \text{ m} \times 1.0 \text{ m} (\pm 0.5\%)$

| Product name | Content | Packaging | m ² in roll | m ² per pallet |
|-----------------------|---------|-----------|------------------------|---------------------------|
| Matizol Roof Membrane | 20 | Roll | 20 | 400 |

Bitumen Shingle Adhesive



Shingle Adhesive is one component plastic bitumen adhesive designed especially for bitumen shingles. It enables shingles installation in difficult weather conditions.

APPLICATIONS:

- Bonding bitumen shingles
- Repairing damaged roofing elements
- Sealing cracks in bitumen roof coverings
- Strengthening the installation of roofing flashings

BENEFITS:

- High adhesion to wide range of substrates
- High flexibility and low brittleness at minus temperatures
- Stable and durable joint

TECHNICAL PARAMETERS:

- Consistency: viscous paste
- Tooling time: 8–30 min
- Curing time: 1-1.5 mm/ 24 h
- Slump resistance +50°C ISO 7390: > 5 mm
- Slump resistance +70°C ISO 7390: > 20 mm
- Application temperature: -10°C to +35°C
- Temperature range: -50°C to +90°C
- Temperature range in service: +5°C to +25°C

| Product name | Content | Pieces per box | Pieces per pallet | Colour |
|--------------------------|---------|----------------|-------------------|--------|
| Bitumen Shingle Adhesive | 280 ml | 12 | 1 440 | Black |
| | 310 ml | 12 | 1 440 | Black |

Bitumen Cleaner Fast & Safe Remover



It is a special solvent, based on the latest generation of plant esters, designed to dissolve and remove most organic and inorganic substances including asphalt based ones, unpolymerized resins and paints.

APPLICATIONS:

- To remove remaining bitumen, grease, oils, adhesives and tapes

BENEFITS:

- Does not damage the surface
- Deep penetrating
- Ecological, with friendly scent

TECHNICAL PARAMETERS:

- Working temperature: -20°C to +40°C
- Dissolution time: 3:15 min

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|-----------------|---------|-------------|----------------|-------------------|
| Bitumen Cleaner | 500 ml | Aerosol can | 12 | 1 008 |

Flexi Gum

Fast Leaks Repair

Flexi Gum is an easy to use, rubberised protective utility coating designed to fill and seal leaks and cracks. It provides a water-tight, flexible seal that prevents moisture penetration and corrosion.



APPLICATIONS:

- To fill and seal leaks and cracks on many types of surfaces: metal and ceramic, aluminium, galvanized metal, PVC, concrete and bituminous materials.

BENEFITS:

- Transparent colour
- Fast drying
- Paintable

TECHNICAL PARAMETERS:

- Appearance: semi smooth
- Colour: transparent
- Drying times:
 - Initial: 20-30 min
 - Full hardness: 24 h
- Application temperature: +10°C to +35°C

* Tested at +20°C and 50% relative humidity.

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--------------|---------|-------------|----------------|-------------------|
| Flexi Gum | 500 ml | Aerosol can | 6 | 870 |

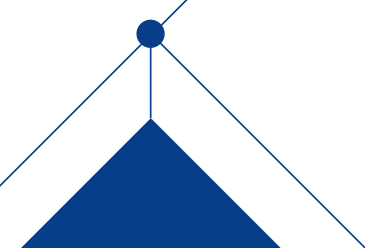




WINDOWS & DOORS



Tytan Professional New Standard in window insulation and sealing of WINS to ensure:

- Reduction of thermal bridges and improve sound and thermal insulation
 - Preventing the formation of mould on the reveal
 - Faster and easier assembly
- 



The basic material used for window and door installation in the majority of systems is polyurethane foam. Selena, by offering the widest portfolio of foam products, has become one of the market leaders by creating new trends and by setting high quality standards in joinery. Selena was the first company to introduce the innovative, high yield technology Tytan 65 Foam, which remarkably facilitated and quickened the installation process. Other innovations by Selena include ICE 65, Energy 2020 and Low MDI foams. Foams by Selena hold O2 and M1 certificates which ensures the safety in use of these products.



© TESTED according
to FEICA method



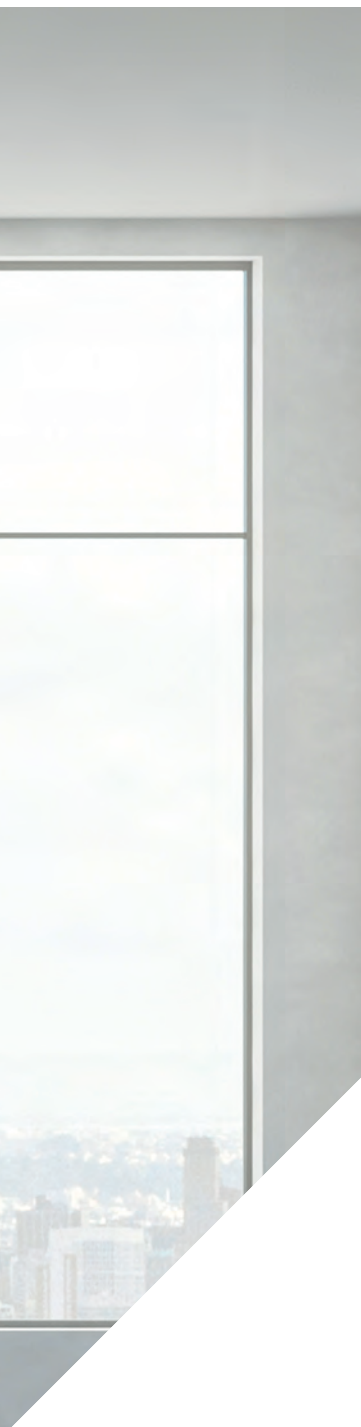
Owing to its own research and development achievements, Selena has introduced unique formulas for foams intended for various climate zones and construction technologies. Selena Group is the third largest polyurethane foam producer in the world, with six production plants in Poland, Turkey, China, South Korea and Brazil.

All Selena products are developed in close cooperation with window and door installers, and tested to ensure their compliance with the latest standards by international laboratories and certification centres.

The window and wall connection is one of the most sensitive areas causing heat losses from buildings. The heat losses generated by leaky joinery can amount to 25%. Windows installed with the use of Tytan Professional systems ensure not only energy savings but also comfort for many years to come. Selena offers systems intended for various installation technologies and for types of window and doors.



WINDOWS & DOORS

- 
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Window insulation and sealing standard based on liquid foils



WINS systems are innovative three-layer systems for insulation and sealing of frame to reveal joints. Systems regulate the water vapour flow in the joint and eliminate uncontrolled air infiltration, which increases the energy and acoustic efficiency of the joint. WINS systems consist of integrated products which, when used as a system, provide a frame to reveal joint meeting the Selena Sealing and insulation standard for joints between the reveal and the frame.

www.wins.tytan.pl

- ▶ High resistance to extreme weather conditions
- ▶ Tightness
- ▶ Extremely high UV resistance - 10 years
- ▶ Ease of application
- ▶ Time-saving installation and sealing of the joint
- ▶ No special substrate preparation or priming of the reveal
- ▶ Versatility - does not depend on the joint width
- ▶ High passive fire protection
- ▶ Energy efficiency
- ▶ Does not emit any harmful substances during installation and use of the building
- ▶ Reliability of the solution - minimising the possibility of execution errors during installation, insulation and sealing, as well as during further construction work

PARAMETERS OF A PROPERLY INSULATED JOINT BY SELENA

| THE FEATURE OF THE WINDOW - REVEAL JOINT | REFERENCE DOCUMENT | CLASS/LEVEL/VALUE |
|---|-----------------------|--|
| Resistance to rainwater penetration | EN 1027 | pressure 1200 Pa |
| Resistance to rainwater penetration | EN 12208 | class E1200 |
| Air permeability | EN 1026 | pressure 600 Pa |
| Air permeability | EN 12207 | class 4 |
| Air permeability | EN 12207 | $Q_L \leq 0.46 \text{ m}^3/\text{hm}$ |
| Air permeability | EN 1026 | $a \leq 0.1 [\text{m}^3/\text{hm}(\text{daPa})^{2/3}]$ |
| Temperature coefficient value f_{Rsi} | EN 13788 | ≥ 0.80 |
| Linear thermal transmittance | EN ISO 14683 | $\leq 0.15 \text{ W/mK}$ |

WINS - integrated 3-layers window insulating and sealing systems



FOR FAST REPLACEMENT
AND RENOVATION, INCLUDING
IN HISTORIC BUILDINGS

RECOMMENDED USES

Installation and sealing of joinery
in existing buildings
and on historical sites:

- Three-layers walls without a jamb

POSSIBLE USES

Insulation and sealing of joinery
in new buildings in case of clinker
facade wall with a jamb



FOR NEW AND DEMANDING
INSTALLATIONS

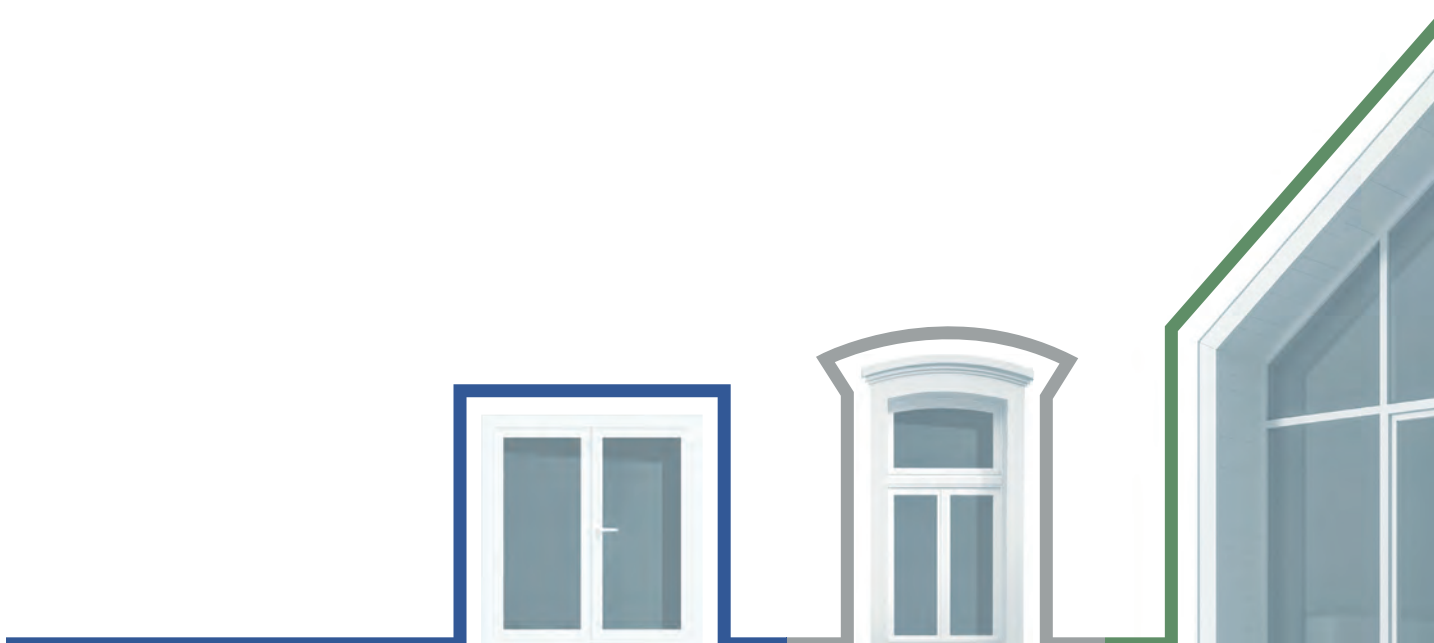
RECOMMENDED USES

Insulation and sealing of joinery,
joinery for large apertures
and window sets in new buildings:

- Single-layer walls
- Double-layer walls (ETICS)
- Framed walls
- Three-layer walls without a jamb

POSSIBLE USES

Installation and sealing of joinery,
joinery for large apertures
and window sets in new buildings:



WINS - integrated 3-layers window insulation and sealing systems



- ▶ Perfect where the facade needs to remain intact
- ▶ Perfect for historic buildings
- ▶ Recommended for walls with clinker facade with the jamb
- ▶ Does not deform the frames
- ▶ Excellent resistance to rainwater penetration - class E1200 (1200 Pa)
- ▶ Excellent air tightness - class 4 (600 Pa)
- ▶ Temperature coefficient $f_{Rsi} \geq 0.8$ (no possibility of humidity or mould formation in the joint)



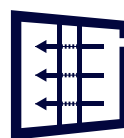
- ▶ Highly flexible
- ▶ High thermal insulation $\lambda \leq 0,035 \text{ W/m}^2\text{K}$
- ▶ Protects even the largest joinery components joints from unsealing
- ▶ Perfectly transmits all the vibrations of the building
- ▶ It remains airtight even under extreme load conditions on the window (rain, vibrations, etc.)
- ▶ Does not deform the frame
- ▶ Excellent thermal and humidity-related performance of the joint:
 $Sd_{internal} \geq 30 \text{ m}$, $Sd_{external} \leq 2 \text{ m}$
- ▶ Excellent resistance to rainwater penetration - class E1200 (1200 Pa)
- ▶ Excellent air tightness - class 4 (600 Pa)
- ▶ Temperature coefficient $f_{Rsi} \geq 0.8$ (no possibility of humidity or mould formation in the joint)



Air tightness



Extreme weather conditions resistance



Water vapour diffusion



UV resistance



Thermal and acoustic insulation



Suppressed vibrations in window gaps



Protection against mould and fungal



Indoor air quality



1. FIX TAPE
2. FAST FOAM
3. INTERNAL LIQUID FOIL

WITHOUT FACADE'S INTACT



1. EXTERNAL LIQUID FOIL
2. FLEX FOAM
3. INTERNAL LIQUID FOIL

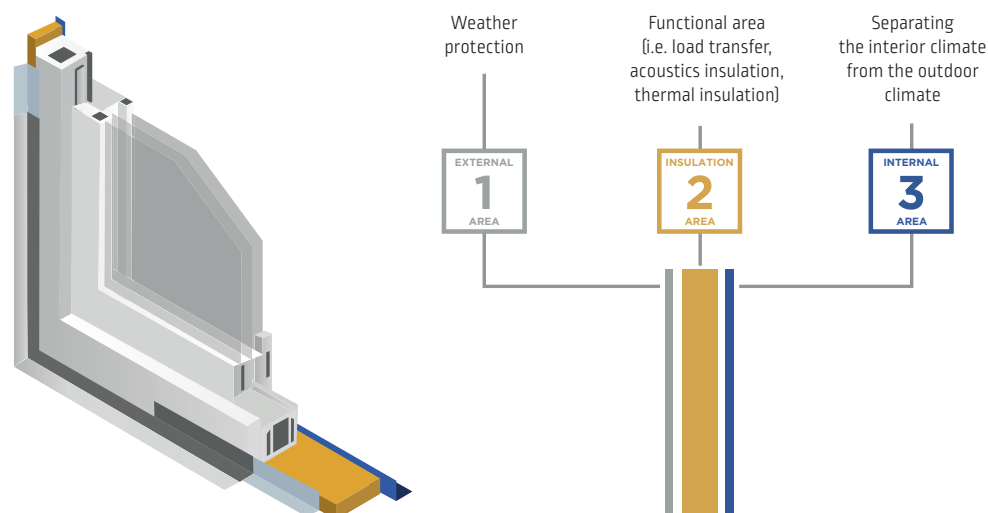
RESISTANT TO EXTREME
WEATHER CONDITIONS



Sealing and insulation planes in joints between the window and the reveal

Due to the factors and phenomena affecting the joint between the window and the reveal, insulations and sealing within the joint, three planes of window and balcony door installation can be distinguished, and thus three interdependent insulation and sealing areas, presented in the model in figure below.

The features of the presented model of insulation and sealing are adapted to the weather conditions, phenomena and factors affecting joint between the reveal and the frame typical for Europe, as well as environments with a standard climate.



External sealing is responsible for protecting the joint between the frame and the reveal against external factors and weather conditions.



Functional insulation area is responsible for the required level of thermal and acoustic insulation of the joint between the frame and the reveal.



Internal sealing is the actual and ultimate barrier separating the internal environment from the external environment.



WINS insulating and sealing products

The insulation and sealing system WINS for the joints between the frame and the reveal is a set of materials intended to provide insulation and sealing within properly designed expansion joints (joints), ensuring that thermal transmittance, acoustic insulation, rainwater resistance and air-tightness of the joint are at least at the minimum level required by national technical and building regulations, unless other higher requirements are specified in the building permit design or in the contract as for the desired and expected performance level. Based on the experience and the results of laboratory and field tests, we present several proven insulation and sealing systems based on materials produced and supplied by Selena FM, designed for professional execution of insulations and sealing, the use of which in accordance with the recommendations and guidelines of this guide allows to obtain a result consistent with the Selena quality standards.

WINS STANDARD PARAMETERS OF THE JOINT BETWEEN THE REVEAL AND THE FRAME

| | | | | | |
|--|---|--|--|--|---|
| TEMPERATURE COEFFICIENT $f_{Rsi} \geq 0,8$ | DIFFUSION TIGHTNESS $Sd_{internal} = 30$ $Sd_{external} = 2$ | EXTREME WEATHER RESISTANCE $= 1200 \text{ Pa}$ | AIR TIGHTNESS $a \leq 0,1$ $[m^3/hm(daPa)^{2/3}]$ | THERMAL INSULATION $\lambda \leq 0,036 \text{ W/mK}$ | ACOUSTIC INSULATION $Rw \geq 63 \text{ dB}$ |
|--|---|--|--|--|---|



WINS Fix external expansion tape



External vapour-permeable WINS liquid foil



WINS Flex foam WINS Fast foam



Internal low vapour-permeability WINS liquid foil



WINS Fast Foam



WINS Fast Foam with very good thermal insulation, extremely short curing time, reduced post expansion and high yield. Resistant to mould and fungus formation.

APPLICATIONS:

- Insulation of joinery (area 2) in existing buildings: single-layer walls, double-layer walls (ETICS), framed walls, three-layer walls without a jamb
- Insulation of joinery (area 2) in new buildings, including clinker façade wall with a jamb

BENEFITS:

- Easy application
- Ultra fast installation
- Full curing time 1,5 h
- High yield over 70 l
- No frames deformation
- Thermal and acoustic insulation
- Protection against mould and fungal

TECHNICAL PARAMETERS:

- Yield: 70-77 l
- Cutting time: ≤ 10 min
- Application temperature: +10°C to +30°C
- Can temperature: +10°C to +30°C
- Shelf life: 18 months

The product is an integral low vapour-permeable layer in sealing and insulation systems:



| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|----------------|---------|-----------|----------------|-------------------|
| WINS Fast Foam | 860 ml | Can | 12 | 720 |

WINS Flex Foam



WINS Flex foam with great thermal insulation level. All season foam. Resistant to mould and fungus formation. Able to compensate for structural displacements.

APPLICATIONS:

- Insulation of joinery, joinery for large apertures and window sets (area 2) in new buildings: single-layer walls, double-layer walls (ETICS), framed walls, three-layer walls without a jamb
- Insulation of joinery (area 2) in existing buildings

BENEFITS:

- Easy application
- Flexibility
- No frames deformation
- Suppressed vibrations in window gaps
- Thermal and acoustic insulation
- Protection against mould and fungal

TECHNICAL PARAMETERS:

- Yield: 43-48 l
- Cutting time: 30 min
- Application temperature: -10°C to +35°C
- Can temperature: +5°C to +35°C
- Shelf life: 18 months

The product is an integral low vapour-permeable layer in sealing and insulation systems:



| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|----------------|---------|-----------|----------------|-------------------|
| WINS Flex Foam | 750 ml | Can | 12 | 720 |

| WINS FOAMS | FLEX |
|--------------------------------|----------------|
| System | WINS FLEX |
| Colour | orange |
| Yield | up to 48l |
| Can temperature | +5°C to +30°C |
| Ambient temperature | -10°C to +35°C |
| Cutting time* | ≤ 30 min |
| Full cure time | 1.5 h |
| Thermal conductivity λ | 0.035 W/mK |
| Acoustic insulation | 62 dB |
| Fire class | B2 |
| Shelf line | 18 month |

* 10 minute cutting time and full hardening after 1.5 h can be achieved by "wet" application, i.e. by wetting the surface with a water mist before application and foam immediately after application at a temperature of min. +20°C for joints up to 3 cm.





External Vapour-Permeable WINS Liquid Foil

WINS External Liquid Foil is a single-component compound. Creates a very flexible film with a creamy texture based on pure acrylic polymers in a water-based emulsion that forms a flexible, waterproof and durable film.

APPLICATIONS:

- Sealing of joints between the reveal and the frame from the outside (area 1)

BENEFITS:

- Easy application
- Ultra fast installation
- Air tightness
- Resistant to extreme weather conditions
- Water vapour diffusion
- UV resistance

TECHNICAL PARAMETERS:

- Yield:
 - Yield sausage, 600 ml, for gap thickness 20 mm: 20 mb*
 - Yield bucket, 2400 ml, for gap thickness 20 mm: 80 mb*
- Cutting time:
 - min. +5°C, 50% RH: 1 mm / 5 h
 - min. +23°C, 50% RH: 1 mm / 60 min.
 - max +30°C, 50% RH: 1 mm / 50 min.
- Application temperature: +5°C to +30°C
- Can temperature: +5°C to +30°C
- Shelf life: 12 months

* the exact yield of the product depends on the quality and evenness of the substrate, the thickness of the applied layer and the way the joinery is anchored



The product is an integral low vapour-permeable layer in sealing and insulation systems:



| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|---------------------------|---------|-----------|----------------|-------------------|
| WINS External Liquid Foil | 600 ml | Foil Pack | 12 | 600 |
| | 2400 ml | Bucket | - | 100 |

Internal Low Vapour-Permeability WINS Liquid Foil

WINS Internal Liquid Foil for windows is a single-component compound. It is chemically neutral and adheres to most construction materials. Creates a hard, flexible, low vapour-permeability membrane.

APPLICATIONS:

- Sealing of joints between the reveal and the frame from the inside (area 3)

BENEFITS:

- Easy application
- Ultra fast installation
- Air tightness
- Extreme weather conditions resistance
- Water vapour diffusion
- Protection against mould and fungal

TECHNICAL PARAMETERS:

- Yield:
 - Yield sausage, 600 ml, for gap thickness 20 mm: 10 mb*
 - Yield bucket, 2400 ml, for gap thickness 20 mm: 40 mb*
- Cutting time:
 - min. +5°C, 50% RH: 2 mm / 5 h
 - min. +23°C, 50% RH: 2 mm / 2 h 45 min.
 - max +30°C, 50% RH: 2 mm / 2 h 10 min.
- Application temperature: +5°C to +30°C
- Product temperature: +5°C to +70°C
- Shelf life: 12 months

* the exact yield of the product depends on the quality and evenness of the substrate, the thickness of the applied layer and the way the joinery is anchored



The product is an integral low vapour-permeable layer in sealing and insulation systems:



| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|---------------------------|---------|-----------|----------------|-------------------|
| WINS Internal Liquid Foil | 600 ml | Foil Pack | 12 | 600 |
| | 2400 ml | Bucket | - | 100 |

| WINS Foil | External Liquid Foil | Internal Liquid Foil |
|--|----------------------|----------------------|
| System | WINS FLEX | WINS FLEX; WINS FIX |
| Colour | white | anthracite |
| Ambient temperature | +5°C to +30°C | +5°C to +30°C |
| Layer thickness | 1–3 mm | 2–3 mm |
| Curing time in temperature +23°C, 50% RH | 1 mm / 60 min | 2 mm / 2.45 h |
| UV resistance | 10 years | - |
| Relative elongation | 720% | 140% |
| Sd | 2 m | 30 m |





WINS Fix External Expansion Tape

WINS Fix tape for external, direct weather protection is a sealing tape consisting of impregnated foam. It is used to pre-seal joints exposed to weather conditions. It acts as thermal and acoustic insulation.

APPLICATIONS:

- Sealing of joinery (area 1) in existing buildings and on historical sites: three-layers walls with a jamb
- Sealing of joinery (area 1) in new buildings in case of clinker façade wall with a jamb

TECHNICAL PARAMETERS:

- Volume: 10 lm
- Application temperature: +5°C to +30°C
- Substrate temperature: +5°C to +70°C



BENEFITS:

- Easy application
- Air tightness
- Weather conditions resistance
- UV resistance
- Water vapour diffusion
- Protection against mould and fungal

The product is an integral low vapour-permeable layer in sealing and insulation systems:



| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|---------------|---------|-----------|----------------|-------------------|
| WINS Fix Tape | 10 lm | Roll | 32 | - |

| WINS Self-expanding tape | BG1 15/3-7 | BG1 15/7-12 | BG1 20/10-18 |
|---------------------------------------|---------------|---------------|---------------|
| System | WINS FIX | WINS FIX | WINS FIX |
| Colour | black | black | black |
| Tape width / Gap depth | 15 mm | 15 mm | 20 mm |
| Gap width | 3–7 mm | 7–12 mm | 10–18 mm |
| Substrate temperature for application | +5°C to +30°C | +5°C to +30°C | +5°C to +30°C |
| UV resistance | B1 | B1 | B1 |
| Acoustic | 59 dB | 59 dB | 59 dB |
| Sd | ≤ 0.5 m | ≤ 0.5 m | ≤ 0.5 m |
| Thermal conductivity λ | 0.046 W/mK | 0.046 W/mK | 0.046 W/mK |

ULTRA FAST 70

- + SAVE UP TO 30% ON COSTS
- + READY TO CUT IN 10 MINS
- + WINDOWS INSULATED IN ONLY 1.5 H
- + HIGH YIELD - REAL 70 L



Ultra Fast 70

Gun Polyurethane Foam



The fastest window insulation foam on the market
Faster work, higher earnings, less work required. The highest yield foam.

APPLICATIONS:

- Insulation of windows
- Thermal and acoustic insulation

BENEFITS:

- Shorter working time when installing window – cutting after 20 minutes, fully cured after 1.5 hours / window express journey for money
- The most efficient numbers of doors and windows installed per can on the market (35% more windows min 2 windows more installed vs. standard foam)
- Less waste during application
- Low risk of window and door frame deformation (Very low post-expansion: <70%)
- The highest performance among foams available on the market up to 77 l
- Lambda 0.036 W/mK
- 30% bio-based MDI in the Mass Balance approach confirmed by ISCC+ certification

TECHNICAL PARAMETERS:

- Yield: up to 77 l
- Cutting time: ≤ 20 min.*
- Full curing time: ≤ 1.5 h
- Volume growth (post-expansion): <70% – 50%
- Ambient temperature: +5°C to +30°C
- Can temperature: +10°C to +30°C
- Shelf life: 18 months

* 10 minute cutting time and full hardening after 1.5 h can be achieved by "wet" application, i.e. by wetting the surface with a water mist before application and foam immediately after application at a temperature of min. +20°C for joints up to 3 cm.

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|---------------|---------|-----------|----------------|-------------------|
| Ultra Fast 70 | 870 ml | Can | 12 | 720 |



Low Ex Green Gun Polyurethane Foam



A high-performance, low-expansion gun foam with a unique formula partially based on raw materials sourced from 100% renewable resources. It features a high yield of up to 60 liters and controlled, very low post-expansion which makes it an excellent solution for installing internal and external doors.

APPLICATIONS:

- Ideal for installing interior and exterior doors, as it does not warp door frames, ensuring safe and secure work.

BENEFITS:

- Allows installation without mechanical connectors
- Resistance to door opening and closing - 50,000 cycles
- Shock resistance - 300 cycles
- Higher fire rating - increases safety
- Short curing time: 3 hours with use of water before and after application
- High performance - more doors from one can due to high yield

TECHNICAL PARAMETERS:

- TECHNICAL DATA
- Yield up to 60 L
- Thermal conductivity: 0.033 W/mK
- Sound insulation: up to 63 dB
- Cut time: ≤ 40 min.
- Post expansion: 40% - 80%
- Can temperature: +15°C - +30°C
- Ambient temperature: +5°C - +30°C
- Shelf life: 12 months

* Value based on theoretical calculations regarding energy efficiency of insulation between window frame and wall based on Energy 2020 PU foam versus standard foams of Selena Group: ITB report number 02207/13/200NF. Should not be associated with the energy efficiency of the entire building. More information available in technical documentation.

** Lack of MDI emission was certified by the Swedish SP Proving Forskning Institute.

*** Product classified by the Building Information Foundation, RTS, as an M1 class building material. Once cured, it does not emit any hazardous substances.

All the parameters were measured in compliance with Selena's internal standards and depend heavily on external curing conditions, equipment quality and adhering to the application instructions.

The parameters were measured under standard laboratory conditions: +23°C and 50% RH.

**** 30 minute cutting time and full hardening after 24 h can be achieved by "wet" application, i.e. by wetting the surface with a water mist before application and foam immediately after application at a temperature of min. +20°C for joints up to 3 cm.

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--------------|---------|-----------|----------------|-------------------|
| Energy 2020 | 750 ml | Can | 12 | 624 |

THERMOSPRAY GUN PU FOAM



One-component polyurethane foam designed for: sealing and insulating during the installation of windows and doors, window sills, roller shutters, sealing of walls and ceilings; filling of free spaces, cracks, crevices, thermal and acoustic insulation.

APPLICATIONS:

- filling free spaces, cracks, gaps, pipe penetrations
- sealing for window fitting
- sealing for door fitting
- sealing roof, wall and floor joints
- thermal insulation
- acoustic insulation

BENEFITS:

- low post expansion;
- thermal and acoustic insulation; low pressure;
- no harmful emissions during application;
- good adhesion to building materials such as wood, aluminium, PVC, polystyrene foam, brick, concrete
- safety use (low monomeric isocyanate content)

TECHNICAL PARAMETERS:

- Yield: > 30
- Cutting time: 90 m
- Application temperature: +5 - +30
- Can temperature: +15 - +30
- Shelf life: 12
-
- **WINTER FOAM:**
- Yield: up to 65 l
- Cutting time: ≤ 30 min
- Application temperature: -20°C to +30°C
- Can temperature: +5°C to +30°C
- Shelf life: 12 months

**** 30 minute cutting time and full hardening after 24 h can be achieved by "wet" application, i.e. by wetting the surface with a water mist before application and foam immediately after application at a temperature of min. +20°C for joints up to 3 cm.

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--------------|---------|-----------|----------------|-------------------|
| 65 | 750 ml | Can | 12 | 840 |



65 UNI

All-season Polyurethane Foam

Optimal foam with increased yield and high elasticity



APPLICATIONS:

- Ideal for thermal and acoustic insulation of cavities

BENEFITS:

- Optimal choice for window installation
- Stable and durable window insulation
- Convenient work thanks to even expansion
- High elasticity
- Decreased B2 foam flammability
- Does not deform door and window frames

TECHNICAL PARAMETERS:

- Yield Up to 48L
- Cutting time: <30 min
- Application temperature: -10°C to +35°C
- can temperature: +10°C to +30°C
- Expiration date: 18 months

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--------------|---------|-----------|----------------|-------------------|
| ELASTIC | 750 ml | Can | 12 | 672 |

Low Expansion

Summer & Winter Gun Polyurethane Foam

One-component polyurethane foam designed for: sealing and insulating during the installation of windows and doors, window sills, roller shutters, sealing of walls and ceilings; filling of free spaces, cracks, crevices, thermal and acoustic insulation



APPLICATIONS:

- filling free spaces, cracks, gaps, pipe penetrations
- sealing for window fitting
- sealing for door fitting
- sealing roof, wall and floor joints
- thermal insulation
- acoustic insulation

BENEFITS:

- low post expansion;
- thermal and acoustic insulation; low pressure;
- no harmful emissions during application;
- good adhesion to building materials such as wood, aluminium, PVC, polystyrene foam, brick, concrete
- safety use (low monomeric isocyanate content)

TECHNICAL PARAMETERS:

- Yield: > 30 l
- Cutting time: 90 min
- Application temperature: +5 - +30
- Can temperature: +15 - +30
- shelf life: 12 m

** Lack of MDI emission was certified by the Swedish SP Proving Forskning Institute.

*** Product classified by the Building Information Foundation, RTS, as an M1 class building material. Once cured, it does not emit any hazardous substances.

All the parameters were measured in compliance with Selenia's internal standards and depend heavily on external curing conditions, equipment quality and adhering to the application instructions.

The parameters were measured under standard laboratory conditions: +23°C and 50% RH.

**** 40 minute cutting time and full hardening after 24 h can be achieved by "wet" application, i.e. by wetting the surface with a water mist before application and foam immediately after application at a temperature of min. +20°C for joints up to 3 cm.

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|---------------|---------|-----------|----------------|-------------------|
| Low Expansion | 750 ml | Can | 12 | 624 |



Gun

ALL SEASON Polyurethane Foam



A versatile low-compression polyurethane foam that is an excellent solution for all types of general construction work, including the installation of joinery. Basic mounting foam from the Tytan Professional line.

APPLICATIONS:

- Mounting of doors and windows
- Filling and sealing of cracks, gaps and pipe ducts
- Sealing of frame structures

BENEFITS:

- Short curing time
- Compact structure
- Low pressure formulation (prevents bowing of door and window frames)
- Easy application thanks to even expansion
- Good insulating properties due to the appropriate structure
- Base foam ideal for assembly and installation work

TECHNICAL PARAMETERS:

ALL SEASON FOAM:

- Yield: up to 45 l
- Cutting time: ≤ 40 min
- Application temperature: -10°C to +30°C
- Can temperature: +10°C to +30°C
- Shelf life: 18 months

**** 40 minute cutting time and full hardening after 24 h can be achieved by "wet" application, i.e. by wetting the surface with a water mist before application and foam immediately after application at a temperature of min. +20°C for joints up to 3 cm.

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--------------|---------|-----------|----------------|-------------------|
| Gun | 750 ml | Can | 12 | 624 |

2K

Polyurethane Foam



Tytan 2K is a two-component foam for quick assembly of building elements. Easy twist activation system appreciated by the users. General building actions requiring quick installation using foam with high mechanical parameters.

APPLICATIONS:

- Door mounting and insulation of window sills and thresholds
- Mounting, soundproofing and insulation of shower trays and bathtubs
- For general building actions requiring quick installation

BENEFITS:

- Chemically cured foam – no moisture required
- Very short curing time up to 15 min – speeds up the installation process
- B2 fire rating class (DIN 4102-1)
- High mechanical endurance
- guarantees the rigidity and stability of the mounted elements
- Very good thermal and acoustic barrier
- For door mounting
- Recommended for treads and windowsill installation
- Very short curing time 15 min – speeds up the assembly and installation process
- Chemically cured foam (no moisture required)

TECHNICAL PARAMETERS:

- Yield: up to 10 l
- Cutting time: ≤ 15 min*
- Full cure time: 4 h
- Application temperature: +10°C to +25°C
- Can temperature: +10°C to +25°C
- Shelf life: 12 months

* 15 minute cutting time and full hardening after 24 h can be achieved by "wet" application, i.e. by wetting the surface with a water mist before application and foam immediately after application at a temperature of min. +20°C for joints up to 3 cm.

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--------------|---------|-----------|----------------|-------------------|
| 2K | 400 ml | Can | 12 | 980 |

Window & Door Neutral Silicone



Fast curing neutral sealant that creates a non-shrinking, flexible joint, resistant to weather conditions and UV radiation. Recommended for windows made of PVC, metal or wood.

APPLICATIONS:

- Flexible sealing in window frame glazing
- Flexible sealing between window sill, window frame and the wall
- For interior and exterior use
- All types of joints around windows and doors

TECHNICAL PARAMETERS:

- Colour: white and transparent
- Working time: 5–15 min
- Curing time: 3 mm per 24 h
- Application temperature: +5°C to +40°C
- Temperature range: -40°C to +120°C

BENEFITS:

- Resistant to weather conditions, UV radiation, mould and fungus
- Excellent adhesion to both porous and non-porous substrates
- Can be used with all kind of materials: PVC, metal or wood

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--------------------------------|---------|-----------|----------------|-------------------|
| Window & Door Neutral Silicone | 280 ml | Cartridge | 12 | 1 440 |

LEXY 60/20



All-season foam with modern formulation that allows application in any position of the can, making it easy to work in hard-to-reach places. Fills, seals and insulates. It is also used in the installation of joinery.

APPLICATIONS:

- Sealing when installing windows and doors
- Sealing of hard-to-reach places
- Thermal and acoustic insulation

TECHNICAL PARAMETERS:

- Yield: < 60 l (volume 750 ml), < 20 l (volume 300 ml)*
- Cutting time: ≤ 40 min *
- Full cure time: 24 h *
- Application Temperature: -10°C to +30°C
- Can Temperature: +5°C to +30°C
- Shelf life: 18 months

BENEFITS:

- All-season
- Multipositional application in hard-to reach places
- High comfort of use due to a precise applicator
- Thermal and acoustic insulation
- Filling of free spaces, cracks, gaps, pipe penetrations
- Sealing of roof, wall and ceiling joints

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|------------------|-----------|-----------|----------------|-------------------|
| LEXY 20; LEXY 60 | 300/750ml | Can | 12 | 1 440 |



STD ALL SEASON PU FOAM



Multi-season universal foam perfect for all types of construction work. Thanks to its easily controlled application, perfect for filling gaps and penetrations. thermal and acoustic insulation or installing windows and doors. A product with 30% MDI content of BIO origin in the mass balance approach – which is confirmed by the ISCC Plus certificate. The modern applicator added to the foam allows you to reuse it up to 60 days after the first application.

APPLICATIONS:

- for various types of construction work: mounting, sealing, filling, insulating.

BENEFITS:

- all-season
- reusable 60 days after first application
- ergonomic applicator - for great comfort of work and precise application
- does not run off vertical surfaces due to modern formulation
- mould and fungus resistance

TECHNICAL PARAMETERS:

- Yield: < 45 l (750 ml), < 30; 300 ml)*
- Cutting time: ≤ 40 min *
- Full cure time: 24 h *
- Application Temperature: -10°C to +30°C
- Can Temperature: +15°C to +30°C
- Shelf life: 12 months

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|----------------|------------|-----------|----------------|-------------------|
| STD All Season | 500/750 ml | Can | 16 | 768 |

WINS BALCONY



One-component waterproofing compound based on hybrid polymers and bitumen, for sealing the lower zone of windows and exterior doors in areas exposed to water, such as foundations, balconies and terraces.

APPLICATIONS:

- Waterproofing of the lower area of windows and exterior doors
- Waterproofing of foundations, balconies and terraces - Protection against standing water in areas exposed to moisture
- Application on various building materials such as PVC, aluminium, wood, concrete, felt
- Can be applied to damp substrates
- Use in areas exposed to varying weather and UV conditions

BENEFITS:

- Single layer application
- No need for additional products such as reinforcing tapes, specialty adhesives, cutting tools, primers, etc.
- Water resistant immediately after application
- Easy and comfortable to work with
- High resistance to changing weather conditions
- Faster and more efficient application compared to other solutions
- High resistance to running water after full curing

TECHNICAL PARAMETERS:

- Colour: copper
- Single layer application, 2-3 mm
- Curing time: 24 h
- Application temperature: +5°C to +30°C
- Storage temperature: +5°C to +25°C.

| Product name | Content | Packaging | Pieces per pallet |
|------------------------------------|---------|-----------|-------------------|
| WINS Balcony Doors Hydroinsulation | 4 kg | Box | 1 920 |

B1

Gun Polyurethane Foam



B1 polyurethane foam is suitable for fireproofing construction joints, has excellent thermal and sound insulation and high ageing resistance.

APPLICATIONS:

- Insulation of doors

BENEFITS:

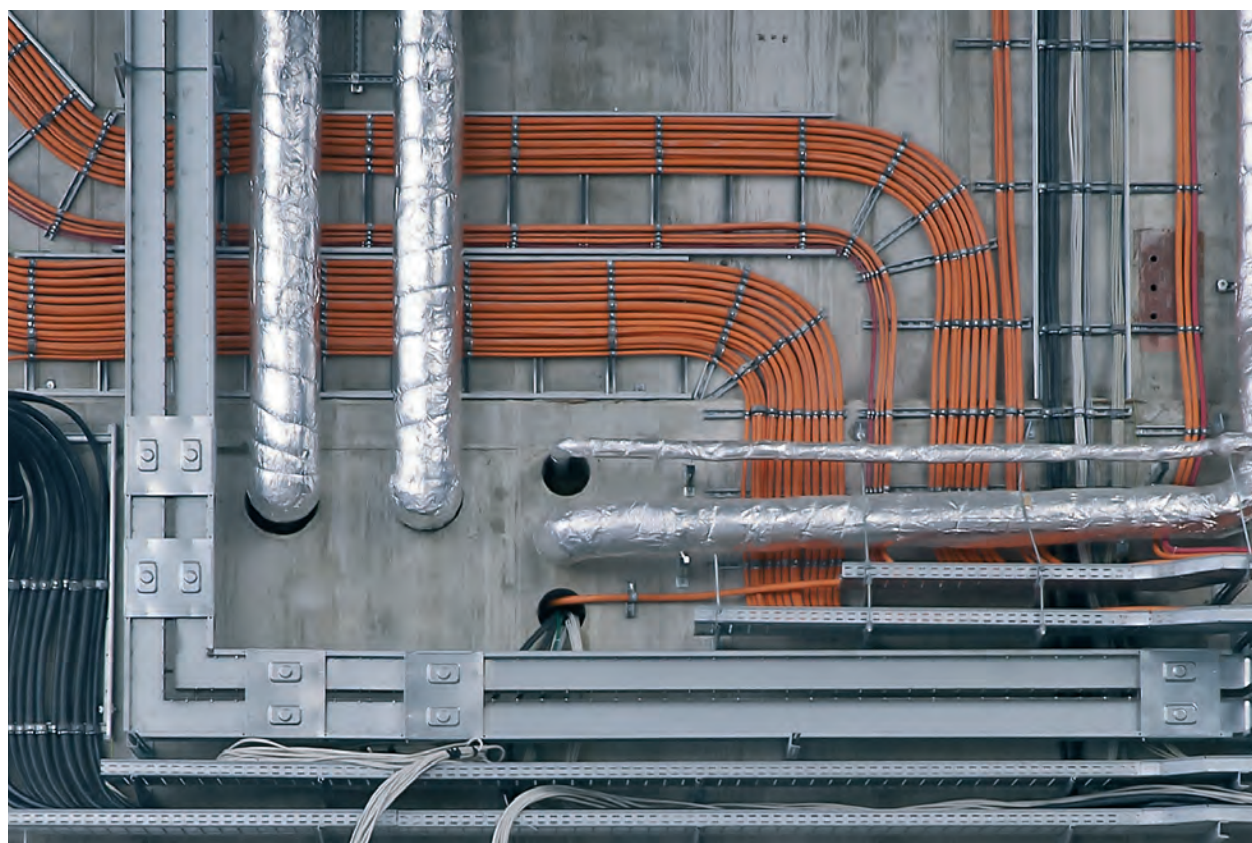
- Self-extinguishing
- Does not create dripping fireballs when on fire
- Resistance to fire class EI 240 (EN 13501-2)
- Flame Reaction class Bs1, d0 (EN 13501-1)
- B1 Fire rating class (DIN 4102-1)
- Combustion against fire, smoke and combustion gases
- The best on the market certify EI for foam alone

TECHNICAL PARAMETERS:

- Yield: up to 42 l
- Cutting time: ≤ 40 min*
- Volume growth (post-expansion): 90% to 120%
- Ambient temperature: +10°C to +30°C
- Can temperature: +10°C to +25°C
- Shelf life: 12 months

* 40 minute cutting time and full hardening after 24 h can be achieved by "wet" application, i.e. by wetting the surface with a water mist before application and foam immediately after application at a temperature of min. +20°C for joints up to 3 cm.

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|-----------------------|---------|-----------|----------------|-------------------|
| Window & Door Acrylic | 310 ml | Can | 12 | 840 |





WINS Caliber 65 Graphite Gun for Polyurethane Foams



Professional WINS Caliber 65 Graphite gun with a dirt-resistant Teflon coating. Equipped with an innovative valve for precise pressure control. The ergonomic handle and durable design ensure comfort and reliability.

APPLICATIONS:

- Application of one component polyurethane foams and foam adhesives in cans

BENEFITS:

- teflon coating makes it dirt-resistant
- accurate foam dispensing due to pressure control foam
- ergonomic handle permits long periods of application
- quick application adjustment

| Product name | Packaging | Pieces per box | Pieces per pallet |
|----------------|-----------|----------------|-------------------|
| Caliber 30 Gun | Box | 20 | 480 |

Pro Gun for Polyurethane Foams



Professional gun applicator for polyurethane foams. Construction elements made of metal to guarantee high durability and extended product life.

APPLICATIONS:

- Application of one component polyurethane foams and foam adhesives in cans

BENEFITS:

- Solid construction – metal body
- Teflon coated basket
- Perfect handling due to ergonomic handgrip
- Easy foam output control
- Secured backscrew (patented solution)
- Needle stabilisation (patented solution)
- New basket internal diameter – resulting in higher output
- High durability

| Product name | Packaging | Pieces per box | Pieces per pallet |
|--------------|-----------|----------------|-------------------|
| Pro Gun | Box | 40 | 480 |

Graphite Gun for Polyurethane Foams



Professional gun applicator for one component PU foams. Construction made of Teflon coated aluminium with a copper nozzle to guarantee comfortable and professional work.

APPLICATIONS:

- Professional foam application for mounting window and door frames

BENEFITS:

- High durability
- Easy cleaning
- Low weight – easy work

| Product name | Packaging | Pieces per box | Pieces per pallet |
|--------------|-----------|----------------|-------------------|
| Graphite Gun | Box | 40 | 480 |



Cured Foam Remover



Professional cleaning product with very high efficiency. Cleans cured polyurethane foam. Ideal for cleaning most types of surfaces: PVC, wood, stone, tiles, concrete, epoxy, steel, upholstery, clothing, work clothes, hands, etc., with very fast action and no interfering with the structure of the surface.

BENEFITS:

- Eliminates cured foams in 2 min
- Safe for all surfaces
- Friendly to humans and the environment
- Easy and comfortable to use

TECHNICAL PARAMETERS:

- Solvent: free
- Shelf life: 18 months

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--------------------|---------|-----------|----------------|-------------------|
| Cured Foam Remover | 100 ml | Bottle | 12 | 4 032 |

Cleaner

for Polyurethane Foams



Multifunctional agent for removing uncured polyurethane foams and adhesives.

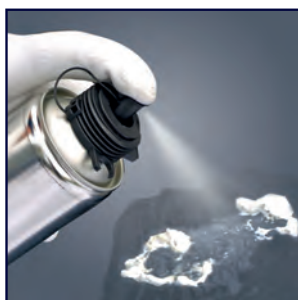
BENEFITS:

- Excellent for removing uncured polyurethane foams and adhesives
- Essential for cleaning and degreasing surfaces prior to the application of polyurethane or silicone
- Indispensable for cleaning valves and gun applicators for polyurethane foams and foam adhesives

TECHNICAL PARAMETERS:

- Solvent: acetone
- Propellant: propane-butane-isobutene
- Shelf life: 36 months

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--------------|---------|-----------|----------------|-------------------|
| Cleaner | 500 ml | Can | 12 | 780 |



KITCHENS & BATHROOMS



Systems used in high humidity areas


Our customers have a great choice of complete systems for work in high humidity areas (kitchens, bathrooms, laundries etc.), where the greatest challenge is providing the right levels of water and moisture resistance as well as protection against bacteria, mould and fungi growth. The system includes waterproofing products, tile adhesives, grouts, silicones and sanitary sealants, adhesives for fitting mirrors, adhesives and sealants for fitting tops and many other finishing elements.

Our range includes such products as: 60 Seconds foam adhesive, FIX² Turbo GT hybrid mounting adhesive and Turbo Effect fast sanitary silicone, offering quick solutions for any task. The whole line of hybrid mounting adhesive FIX² is water resistant and ideal for bathrooms or other areas with high humidity.

Additionally, our adhesives are suitable for all types and sizes of tiles. Unique adhesives with the FiberGel Tytan Professional technology ensure perfect working parameters, pleasant work and the possibility of bonding any tile format, even under difficult conditions.



KITCHENS & BATHROOMS

- 
- 92 FiberGel SuperFlex Highly flexible deformable strong gel adhesive with fibres
 - 92 FiberGel Flex Highly flexible strong gel adhesive with fibres
 - 93 Flex Flexible Tile Adhesive
 - 93 Marmur White Marble Adhesive
 - 94 Standard Tile Adhesive
 - 94 Gres Elastified Tile Adhesive
 - 95 Hydro Liquid Foil
 - 95 Sealing Tape "TU"
 - 96 Multigrunt Primer
 - 96 Betonkontakt Bonding Primer
 - 97 Contact Primer for Non-Absorbent Substrates
 - 97 Nivel 2-20 Express Fast self-leveling mass with fibers
 - 98 60 Seconds Fast Universal Foam Adhesive
 - 99 Ideal Home Neutral Sanitary Silicone
 - 100 Turbo Effect Sanitary Silicone
 - 101 Sanitary Silicone
 - 101 STOP MOLD Acrylic Sanitary Silicone
 - 102 Mounting Adhesive for Mirrors
 - 102 HIGH TACK Mounting Adhesive
 - 103 How to fix a mirror
 - 104 FIX² Turbo GT Mounting Adhesive
 - 106 Clear Mounting Adhesive & Sealant
 - 106 Elastic Mounting Adhesive & Sealant
 - 107 Instant Invisible Mounting Adhesive
 - 107 Sanit Straw Polyurethane Foam
 - 110 Silicone Finishing Set
 - 110 Vector Heavy Duty Caulking Gun
 - 111 Profi Skeleton Gun
 - 111 Standard Skeleton Gun



FiberGel SuperFlex Highly flexible deformable strong gel adhesive with fibres



FiberGel SuperFlex Adhesive is suitable for bonding any type of wall and floor ceramic tiles, terracotta, clinker, mosaics, terrazzo and cement tiles, natural stone tiles none sensitive to staining and artificial stone.

APPLICATIONS:

- For critical substrates: tile on tile, OSB
- Swimming pools, terraces and balconies
- Industrial buildings, offices, corridors and pedestrian areas
- Kitchens, bathrooms and living rooms
- For substrates with floor and wall heating

BENEFITS:

- NO LIMIT tile formats
- Multifunctional 3 in 1 - pourable - medium layer - surface filler
- FIBERGEL TECHNOLOGY – possibility to adjust the consistency to the type of work - reinforced with fibres
- Wide temperature range
- Highly flexible, deformable and strong
- Compatible with waterproofing in Tytan Professional tiling systems
- Water and frost resistant
- Overhead application possible
- Very good adhesion to the substrate

TECHNICAL PARAMETERS:

- Application temperature: +5°C to +35°C
- Open time: 40 min
- Grouting of walls: after 12h
- Partial use (pedestrian walk): after 2 days
- Layer thickness: 2–15 mm
- Tile correction time: 30 min
- No flow
- Grouting of floors: after 12h
- Full use: after 14 days
- EN 12004 C2 TE S1

| Product name | Content | Packaging | Pieces per pallet |
|---|---------|-----------|-------------------|
| FiberGel SuperFlex Highly flexible deformable strong gel adhesive with fibres | 25 kg | Bag | 48 |

FiberGel Flex Highly flexible strong gel adhesive with fibres



Flex Gel Adhesive is suitable for bonding all types of wall and floor ceramic tiles, terracotta, clinker, mosaics, terrazzo and cement tiles, natural stone tiles non sensitive to staining and artificial stone.

APPLICATIONS:

- Swimming pools
- Terraces and balconies
- Industrial buildings
- Offices, corridors and pedestrian areas
- Kitchens, bathrooms and living rooms
- For substrates with floor and wall heating
- For big format tiles

BENEFITS:

- Multifunctional 3 in 1 - pourable - medium layer - surface filler
- FIBERGEL TECHNOLOGY – possibility to adjust the consistency to the type of work - reinforced with fibres
- Wide temperature range
- Highly flexible, strong
- Compatible with waterproofing in Tytan Professional tiling systems
- Water and frost resistant
- Overhead application possible
- Very good adhesion to the substrate
- For XL format tiles

TECHNICAL PARAMETERS:

- Application temperature: +5°C to +35°C
- Open time: 40 min
- Grouting of walls: after 12h
- Partial use (pedestrian walk): after 2 days
- Layer thickness: 2–15 mm
- Tile correction time: 30 min
- No flow
- Grouting of floors: after 12h
- Full use: after 14 days
- EN 12004 C2 TE

| Product name | Content | Packaging | Pieces per pallet |
|---|---------|-----------|-------------------|
| FiberGel Flex Highly flexible strong gel adhesive with fibres | 25 kg | Bag | 48 |



Flex

Flexible Tile Adhesive



Flexible Tile Adhesive Flex is suitable for fixing all types of wall and floor ceramic tiles, glazed, terracotta, clinker, mosaics, terrazzo and cement tiles, natural stone tiles that are resistant to discolouration (after prior checking of their resistance to discolouration). The adhesive mortar can be applied on every typical and demanding substrate, internally or externally.

APPLICATIONS:

- Milled rock, terracotta, clinker, mosaics, terrazzo and cement tiles
- Natural stone
- Balconies and terraces
- Floor and wall heating
- For external and internal use

BENEFITS:

- For L format tiles
- For difficult substrates
- For underfloor heating
- Water and frost resistant

TECHNICAL PARAMETERS:

- Mixing ratio: 6–6.5 l of water per 25 kg of dry mortar
- Mortar ready-for-use time after mixing with water: up to 4 h
- Application temperature: +5°C to +25°C
- Open time: 30 min
- Correction time: 30 min
- Grouting walls/floors: after 12/24 h
- Partial/full usage: after 3/28 days
- Flow: ≤ 0.5 mm
- Approximate consumption at a thickness of 1 mm: approx. 1.4 kg/m²
- Layer thickness: 2–10 mm
- EN 12004 C2TE

| Product name | Content | Packaging | Pieces per pallet |
|-------------------------------------|---------|-----------|-------------------|
| Flex Flexible Tile Adhesive TS54 | 25 kg | Bag | 48 |

Marmor

White Marble Adhesive



Marble Adhesive Marmor for fixing natural and synthetic marble, natural stone, glass mosaics, wall and floor ceramic tiles, terrazzo and cement tiles. The adhesive for all rigid and demanding substrates, internally or externally, and for underfloor heating.

APPLICATIONS:

- Natural and synthetic marble, natural stone, and glass mosaics
- Wall and floor ceramic tiles:
 - glazed, terracotta, clinker and stoneware tiles
- Terrazzo and cement tiles
- For underfloor heating
- For all rigid and demanding substrates
- For internal and external use

BENEFITS:

- White, does not cause discolouration
- Flexible
- Water and frost resistant

TECHNICAL PARAMETERS:

- Mixing ratio: 5.5–6.0 l of water per 25 kg of dry mortar
- Mortar ready-for-use time after mixing with water: up to 3 h
- Application temperature: +5°C to +25°C
- Open time: 30 min
- Correction time: 10 min
- Grouting walls/floors: after 12/24 h
- Partial/full usage: after 3/14 days
- Flow: ≤ 0.5 mm
- Approximate consumption at a thickness of 1 mm: approx. 1.2 kg/m²
- Layer thickness from 2–10 mm
- EN 12004 C1 TE

| Product name | Content | Packaging | Pieces per pallet |
|--------------------------------------|---------|-----------|-------------------|
| Marmor White Marble Adhesive TS53 | 25 kg | Bag | 48 |



Standard

Tile Adhesive



Tile Adhesive Standard is suitable for fixing wall and floor ceramic tiles exposed to typical low loads. It is designed for application onto a rigid substrate, indoors.

APPLICATIONS:

- For small and medium format ceramic tiles
- For wall and ceramic tiles - glazed and terracotta

BENEFITS:

- For M format tiles
- Frost and water-resistant

TECHNICAL PARAMETERS:

- Mixing ratio: approx. 5.5–6 l of water per 25 kg of dry mortar
- Mortar ready-for-use time after mixing with water: up to 3 h
- Application temperature: +5°C to +25°C
- Open time: 20 min
- Correction time: 10 min
- Grouting walls/floors: after 12/24 h
- Partial/full usage: 3/14 days
- Flow: ≤ 0.5 mm
- Approximate consumption for 1 mm thickness: approx. 1.5 kg/m²
- Layer thickness: 2–8 mm
- EN 12004 C1 T

| Product name | Content | Packaging | Pieces per pallet |
|---------------------------|---------|-----------|-------------------|
| Standard Tile Adhesive | 25 kg | Bag | 48 |

Gres

Elastified Tile Adhesive



Tile Adhesive Gres for fixing wall and floor tiles: stoneware and ceramic, for typical loads. Suitable for interior and exterior use.

APPLICATIONS:

- For fixing wall and floor tiles up to 35 x 35 cm
- Especially recommended for glazed tiles
- For interior and exterior use

BENEFITS:

- For gres and ceramic tiles
- More flexible
- Frost and water-resistant
- Enables laying tiles from the top

TECHNICAL PARAMETERS:

- Mixing ratio: 6.0–6.5 l of water per 25 kg of dry mortar
- Mortar ready-for-use time after mixing with water: up to 3 h
- Application temperature: +5°C to +25°C
- Open time: 30 min
- Correction time: 30 min
- Grouting walls: after 12 h
- Grouting floors: after 24 h
- Partial/full usage: after 3/14 days
- Flow: ≤ 0.5 mm
- Approximate consumption for 1 mm thickness: approx. 1.5 kg/m²
- Layer thickness: 2–10 mm
- EN 12004 C1 TE

| Product name | Content | Packaging | Pieces per pallet |
|----------------------------------|---------|-----------|-------------------|
| Gres Elastified Tile Adhesive | 25 kg | Bag | 48 |



Hydro

Liquid Foil

HYDRO EXPRESS Liquid Foil is recommended for jointless sealing and waterproofing of absorbent and porous substrates, including mineral and concrete surfaces, cement floors, walls, plasters, wooden boards, gypsum fibreboards or drywalling.

APPLICATIONS:

- For interior use
- Waterproofing of floors and walls in areas exposed to temporary moisture (kitchens, bathrooms, shower cabins, washrooms, basements, balconies and terraces)
- Insulation under ceramic tile

BENEFITS:

- Fast drying
- Creates flexible, durable coating
- Easy application with trowel, brush or roller.
- Covers scratches on the substrate

TECHNICAL PARAMETERS:

- Curing time for 1 layer: 30 min
- Possibility to lay tiles: after 3h
- Approximate consumption per 1 mm thickness: 1,4 [kg/m²]
- Minimum layers: 2
- Crack-bridging ability: ≤2 mm



| Product name | Content | Packaging | Pieces per pallet |
|-------------------|---------|-----------|-------------------|
| Hydro Liquid Foil | 4 kg | Bucket | 144 |

Sealing Tape "TU"

Recommended for use together with Liquid Film and Flexible Sealing Mortar Hydro 1K, to ensure perfect waterproofing. Effectively protects joints against penetration by water and moisture.

APPLICATIONS:

- Protection of corners, edges, aperture joints, floor cracks and pipe routes
- Kitchens, bathrooms, shower cabins, washrooms, basements, balconies and terraces

BENEFITS:

- Can be used with any tile application method
- Ensures waterproofing in areas exposed to temporary moisture
- Flexible and durable sealing

TECHNICAL PARAMETERS:

- Composition: tape made from polyester mesh (120 mm wide). Central stripe (70 mm wide) is covered from up and bottom by thermoplastic elastomer, bottom side of elastomer is covered by polypropylene fabric
- Watertight under pressure: 0.5 MPa



| Product name | Content | Dimensions | Packaging | Pieces per box | Pieces per pallet |
|--|-----------------|--------------------|-----------|----------------|-------------------|
| Sealing Tape "TU" for Liquid Film and Flexible Sealing Mortar Hydro 1K | Internal corner | 120/70 mm x 140 mm | Box | 30 | — |
| | Outer corner | 120/70 mm x 140 mm | Box | 30 | — |
| | Wall cuff | 120 x 120 mm | Box | 30 | — |
| | Floor cuff | 425 x 425 mm | Box | 24 | — |
| | Tape | 120 x 70 mm x 10 m | Box | 36 | 504 |
| | Tape | 120 x 70 mm x 50 m | Box | 16 | 96 |
| | Tape | 120 x 70 mm x 5 m | Box | 32 | — |



Multigrunt

Primer



Multigrunt is a concentrated primer based on two types of acrylic dispersion that strengthen the substrate, levelling the absorbency and increasing the adhesion of screeds, adhesives, plasters as well as interior and exterior paints. Penetrates the substrate, strengthens the surfaces, binds loose particles and limits the water absorption of the substrate.

APPLICATIONS:

- Cement substrate, gypsum, anhydrite, plasterboard, autoclaved aerated concrete blocks, cement plasters, cement-lime plasters and gypsum plasters

BENEFITS:

- Concentrated
- Increases adhesion
- Strengthens substrate
- For internal and external use
- For adhesives, plasters, paints and floor levelling

TECHNICAL PARAMETERS:

- Application temperature (substrate, air, materials): +5°C to +25°C
- Consumption without dilution: approx. 0.2 l per 1 m²/l depending on substrate evenness and absorption levels
- Drying time: approx. 3 h
- Drying time before continuing work: 6 h after priming

| Product name | Content | Packaging | Pieces per pallet | Colours |
|-----------------------|---------|-----------|-------------------|-------------|
| Multigrunt Primer S01 | 5 l | Canister | 108 | Transparent |

Betonkontakt

Bonding Primer



Primer Betonkontakt is a bonding primer, ready to use, highly adhesive based on acrylic dispersion with added quartz aggregate. Increases ground roughness and improves the adhesion of subsequent layers. Balances and regulates absorption in mixed substrates.

APPLICATIONS:

- For sealed concrete, cement, old tiles and prefabricated elements

BENEFITS:

- Improves the adhesion to absorbent and non-absorbent substrates
- Balances surface absorbency
- For internal and external use

TECHNICAL PARAMETERS:

- Consumption approx. 0.20–0.35 kg per 1 m², depending on the evenness and absorbency of the substrate drying time approx. 6 h
- Application temperature (substrate, air, materials): +5°C to +30°C
- Possibility to apply another layer 12 h after priming
- PN-C-81906 TE0304

| Product name | Content | Packaging | Pieces per pallet | Colours |
|-----------------------------|---------|-----------|-------------------|---------|
| Betonkontakt Bonding Primer | 7 kg | Bucket | 100 | White |
| | 15 kg | Bucket | 33 | White |



Contact

Primer for Non-Absorbent Substrates



Contact Primer for non-absorbent substrates bonding primer is a ready-to-use, highly adhesive preparation based on acrylic dispersions with added quartz aggregate. A vapour-permeable product.

APPLICATIONS:

- Can be used for non-absorbent applications, such as concrete, plasterboard, coatings, paint coats, OSB and other sealed mineral surfaces

BENEFITS:

- Improves the adhesion to absorbent and non-absorbent substrates
- Balances surface absorbency
- For internal and external use
- For walls and floors

TECHNICAL PARAMETERS:

- Application temperature (substrate, air, materials) from +5°C to +25°C
- Consumption ar. 0.15 per 1 m², depending on the evenness and absorbency of the substrate
- Drying time approx. 1–2 h
- Possibility to apply covering after min 2 h
- PN-C-81906 TS12

| Product name | Content | Packaging | Pieces per pallet | Colours |
|---|---------|-----------|-------------------|---------|
| Contact Primer for Non-Absorbent Substrates | 4 kg | Bucket | 144 | Blue |

Nivel 2-20 Express

Fast self-leveling mass with fibers



Self-levelling screed Nivel 2–20 for making thin layer, self-distributing and quick setting, single layer screeds for internal use, 2–20 mm thick.

APPLICATIONS:

- For levelling concrete, cement and anhydrite substrates prior to laying:
 - any type of tile
 - flooring (PVC, carpets, cork)
 - flooring panels
 - wooden mosaics, parquets and glued-laminated timber
- For use with existing floor heating

BENEFITS:

- Quick setting
- Easy-to-use
- Ready for passenger traffic for 10mm layer: ≥4 h: after approx. 4 h
- Layer thickness 2–20 mm
- Tiling for 10 mm layer after: ≥24 h

TECHNICAL PARAMETERS:

- Screed layer thickness: 2–20 mm
- Application temperature: +5°C to +25°C
- Mixing ratio: 5,85–6,15 l of water per 25 kg of dry mortar
- Ready-for-use time after mixing with water: approx. 20 min
- Consumption: 1.5 kg/m²/mm
- Bulk density: approx. 1,28–1,32 kg/m³
- Compressive strength: > 25 MPa
- Bending strength: ≥ 5 MPa
- Traction: ≥ 1 MPa
- EN 13813:2003 CT-C25-F5

| Product name | Content | Packaging | Pieces per pallet |
|--------------|---------|-----------|-------------------|
| Nivel 2-20 | 25 kg | Bag | 48 |



GRABS IN A MINUTE,
HOLD FOR YEARS.

FAST UNIVERSAL FOAM ADHESIVE

60 SECONDS

- + INITIAL TACK AFTER 60 SEC
- + READY TO USE, DUST-FREE SOLUTION
- + EXCELLENT ADHESION TO MOST BUILDING MATERIALS
- + HIGH EFFICIENCY



60 Seconds

Fast Universal Foam Adhesive



Multifunctional professional polyurethane adhesive with a wide range of construction applications. Recommended for finishing works, installation of skirting boards, window sills, stairs and decorative elements. The technology used speeds up the work considerably. Initial grip already after 60 seconds. The product is characterized by excellent adhesion to most surfaces.

APPLICATIONS:

- OSB boards
- Decorative elements
- Window sills
- Construction of internal walls

BENEFITS:

- Initial high-tack after 60 seconds
- Fast and clean technology
- Ready to use product
- High yield: one can = 1 bag of traditional powder-based bonding
- Patented ERGO applicator (for straw versions)

TECHNICAL PARAMETERS:

- Initial tack: in 60 seconds
- Yield:
 - 750 ml gun: 40 rm
 - 750 ml straw: 30 rm
 - 300 ml straw: 15 rm
- Application temperature: 0°C to +35°C
- Can temperature: +5°C to +35°C
- Open time: < 2 min
- Correction time: < 3 min
- Full curing time: 24 h

| Product name | Content | Packaging | Applicator | Pieces per box | Pieces per pallet |
|---|---------|-----------|------------|----------------|-------------------|
| 60 Seconds Fast Universal Foam Adhesive | 750 ml | Can | Gun | 12 | 624 |
| | 750 ml | Can | ERGO | 12 | 624 |
| | 300 ml | Can | ERGO | 12 | 780 |

PERFECT SOLUTION- FOR ANY CHALLENGE.

NEUTRAL SANITARY SILICONE

IDEAL HOME

- + SAFE FOR ALL SURFACES
- + DOES NOT TURN YELLOW
- + RESISTANT TO MOLD AND FUNGI



Ideal Home

Neutral Sanitary Silicone



Neutral silicone sealant which contains fungicides that protect joints from fungi and mould for up to 15 years. In addition, it is safe for the user - it does not contain MEKO substances, is odourless and does not emit carcinogenic substances. It is neutral, so it will not damage sensitive surfaces like acrylic or natural stone. It has excellent adhesion, especially to acrylic and PVC bathtubs. After curing, creates a non-shrinking and elastic seal that does not turn yellow over time.

APPLICATIONS:

- Sealing baths, hand basins, showers, sinks and other sanitary facilities
- Perfect for sealing joints exposed to moisture
- Elastic sealing for glazing of window frames made of wood, metal and PVC
- Sealing building and construction elements made of concrete, wood, metals or synthetic materials
- Sealing façades and external connectors
- Sealing ceramic tiles

TECHNICAL PARAMETERS:

- Application temperature: +5°C to +40°C
- Temperature resistance: -40°C to +100°C
- Skin formation time: 5-30 min
- Curing rate: 2-3 [mm / 24 h]
- Working time: 5-10 min

BENEFITS:

- 15-year warranty for the anti-mould properties of the joint
- Safe for the User – no smell, no MEKO
- Does not turn yellow over time
- Neutral for alkaline surfaces
- Does not damage surfaces, does not cause corrosion
- Excellent adhesion to most surfaces
- High resistance to UV radiation
- Easy to extrude and apply

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--------------|---------|-----------|----------------|-------------------|
| Ideal Home | 280 ml | Cartridge | 12 | 1 440 |



SANITARY SILICONE

TURBO UPG

- + WATER RESISTANT IN JUST 2 HOURS
- + PROTECTION AGAINST FUNGI AND MOULD FOR UP TO 10 YEARS
- + VERY GOOD ADHESION



Turbo Effect

Sanitary Silicone



Fast curing sealant recommended for sealing and grouting joints to protect against moisture. Contains the latest generation of fungicides which provide maximum protection against fungi and mould up to 10 years. This new generation of fungicides ensures long-dated cleanness of places exposed to fungus – sealing close to the bathtubs, sinks, shower cabins and toilets. Thanks to its improved formula, it has an accelerated curing time and it is water resistant 1 hours after application.

APPLICATIONS:

- Sealing baths, hand basins, showers, sinks and other sanitary facilities
- Sealing ceramic tiles
- Sealing connections and aperture gaps
- Small home repairs

BENEFITS:

- Excellent resistance to mould and fungus
- In 1 hours becomes water resistant in places with high humidity
- The fungicidal properties prevent silicone from changing its appearance and physical properties over many years
- Very good adhesion to different surfaces

TECHNICAL PARAMETERS:

- Curing system: acetate
- Working time: 5–10 min
- Application temperature: +5°C to +40°C
- Skin formation time: 5 to 20 min
- Temperature resistance: -40°C to +100°C

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--------------|---------|-----------|----------------|-------------------|
| Turbo Effect | 280 ml | Cartridge | 12 | 1 440 |



Sanitary

Silicone



Flexible sealant with an acidic curing system. It offers excellent adhesion to substrates such as glazed tiles, bathroom tiles, glass, acrylic and wood. Contains agents that prevent the growth and development of mould, fungi and algae. It is characterized by a long-term resistance to moisture.

APPLICATIONS:

- Sealing of aperture joints, connections and gaps in high humidity areas
- Sealing of water and wastewater systems
- Pointing joints for ceramic tiling

BENEFITS:

- Resistant to mould and fungus growth
- Excellent adhesion to glass, ceramics, porcelain and wood
- Water resistant
- Durable colour

TECHNICAL PARAMETERS:

- Colours: white, transparent, grey, brown and black
- Curing system: acetate
- Curing rate: 2.0 mm / 24 h (+23°C, 50% RH)
- Application temperature: +5°C to +40°C
- Skin formation: 5–15 min
- Working time: 5–25 min
- Temperature resistance: -40°C to +100°C

COLOUR CHART



| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|-------------------|---------|-----------|----------------|-------------------|
| Sanitary Silicone | 280 ml | Cartridge | 12 | 1440 |
| | 600 ml | Film | 12 | 1152 |

STOP MOLD

Acrylic Sanitary Silicone



Stop Mold is high quality sealant which contains fungicides that protect joint from fungi and mold growth up to 10 years. It is a flexible and durable acrylic silicone sealant with high resistance to detergents and common household-chemicals as well as UV, weather, moisture and temperature variations. It is chemically neutral, so it will not damage sensitive surfaces like natural stone or mirror. After curing, creates non-shrinking and elastic seal that does not turn yellow over time.

APPLICATIONS:

- grouting all connections around showers, surfaces, sinks, bathtubs
- sealing of ceramic tiles
- sealing around mirrors
- sealing around doors and windows

BENEFITS:

- longlasting whiteness
- safe for all surfaces
- permanently waterproof
- elastic
- resistant to detergents

TECHNICAL PARAMETERS:

- Curing system:
- Skin formation time: 5-7 min
- Application temperature: +5°C - +30°C
- Temperature resistance: -20°C - +80°C



Mounting Adhesive for Mirrors



High-quality adhesive recommended for bonding silver mirrors to common building substrates (ceramic tiles, wood, concrete, metal and drywalling).

APPLICATIONS:

- Bonding silver mirrors
- Bonding other finishing materials, including ceramic tiles, boards and profiles

BENEFITS:

- Does not damage silver surface of the mirror
- Excellent adhesion to most substrates
- Very high bonding strength
- Strong initial grab
- Moisture resistant joint

TECHNICAL PARAMETERS:

- Colour: beige
- Application temperature: +10°C to +30°C
- Temperature resistance: -20°C to +60°C
- Working time: 10–20 min
- Full curing time: 72 h

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|-------------------------------|---------|-----------|----------------|-------------------|
| Mounting Adhesive for Mirrors | 310 ml | Cartridge | 12 | 1 440 |

HIGH TACK

Mounting Adhesive



Low-pressure straw polyurethane foam, designed especially for plumbing applications: sealing sanitary, water and sewage system, as well as central heating systems. Adheres to a variety of building materials (PVC, brick, concrete, plaster, wood, metal, EPS, PUR foams).

APPLICATIONS:

- Insulation and gap filling in central heating, water and sewage systems
- Sealing ventilation elements
- Sound insulation of shower trays and bathtubs
- Sealing of concrete rings in sewerage and ducts
- Filling of gaps and pipe or cable ducts

BENEFITS:

- Resistant to mould and fungus growth
- Foam has minimal water absorption
- Excellent thermal and acoustic insulation
- Multi-positional - can also be used with the valve position "up"
- Low pressure formulation (prevents bowing of sealed elements)
- Patented ERGO applicator allows use of the foam for up to 60 days

TECHNICAL PARAMETERS:

- Yield: up to 50 l
- Application temperature: -10°C to +30°C
- Can temperature: +5°C to +30°C
- Cutting time: 40 min
- Foam growth (post-expansion): 130–180%

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--------------|---------|-----------|----------------|-------------------|
| High Tack | 290 ml | Cartridge | 12 | 1440 |

How to fix a mirror



Mirrors are essential elements in every bathroom due to their aesthetics and practical function. They can be affixed or mounted on walls in a variety of ways, depending on preferences. The first method is mechanical and involves drilling tiles or walls in order to insert wall plugs and using extra hangers.

Another method is fixing the mirror directly to the substrate (wall or tiles). Here it is important to proceed as follows:

- choice of proper adhesive
- correct application

How to choose a suitable adhesive:

In order to make the right choice, we need to know beforehand what type of the mirror we want to fix or, to be precise, what kind of coating it has. Until recently the most popular mirrors were silvered. For these mirrors we have a classic adhesive for mirrors, which, although solvent-based, does not interact with the silvered cover.

Nowadays, silvered glass mirrors are being gradually replaced by varnished glass mirrors which fall into two categories: silver varnished and colour varnished. The varnish coat on silver varnish mirrors protects them against damage during transportation while on coloured mirrors it has mainly a decorative function. Regardless of the type of varnish, protective or decorative, all these mirrors need to be fixed with a new generation adhesive which is safe for the varnish coat.

All the adhesives from the MS Hybrid Technology line fulfil this requirement (FIX² Turbo, FIX² CLEAR, FIX² ELASTIC, FIX² INSTANT INVISIBLE). It should be mentioned that the above specified adhesives pass the test with silvered mirrors, too. Application of the new generation adhesives makes the fixing procedure much easier thanks to their specific properties. And so the FIX² GT enables you to fix a mirror without using supports thanks to its strong and fast initial grip.

How to apply adhesive correctly:

When using a solvent-based adhesive:

The substrate must be even, clean and dry. Apply the adhesive to the mirror surface in vertical, parallel stripes (about every 5 cm). Make sure the stripes are separated as this facilitates the drying process.



Correct application



**Please note!
Incorrect application**



Put the mirror to the substrate and press firmly and evenly. In case of fixing mirrors for a surface larger than 0.15 m², they should be secured with the supporting elements to prevent sliding. Leave until it is completely cured. If you plan to seal the edges of the mirror, this should be performed only after the full curing of the adhesive (i.e. after solvent evaporation approx. 72 h).

When using an MS Hybrid Technology adhesive:

Clean, dry and even out the substrate. Apply the adhesive to the surface with vertical or zigzag motions. Moisten the surface lightly to speed up drying.



Correct application



**Please note!
Incorrect application**



Put mirror against the wall and press firmly and evenly. Leave until it is completely cured. If you plan to seal the edges, this can be done with the same adhesive (or with Perfect Bathroom silicone) only after the complete curing of the adhesive (in case of Fix² GT approx. 3h).



UNCOMPROMISING POWER.

100% of power in 3 hours!

MOUNTING ADHESIVE

FIX² TURBO GT

- + HYBRID TECHNOLOGY
- + VERY HIGH ADHESIVE STRENGTH
- + FAST INITIAL TACK

FIX² Turbo GT Mounting Adhesive



Fast curing and very strong hybrid-based mounting adhesive. Indispensable in a situation where we expect a rapid bonding effect (when we want to quickly use bonded elements). It forms a very strong bond that reaches its full strength in about 3 hours. The resulting joint fully damps vibrations, and is resistant to weather, UV radiation and diluted chemicals.

APPLICATIONS:

- Bonding mirrors with no need of tapes or additional support
- Bonding a wide range of finishing materials to typical surfaces such as: concrete, plaster, chipboard, wood, brick and glass
- Bonding heavy decorative, finishing and utility elements, wall panels, wall coverings, window sills, treads
- Bonding decorative elements of wood, cork, chipboard, metal, stone, laminates, expanded polystyrene (EPS) and marble
- Bonding plastics (except PE, PP and Teflon)

TECHNICAL PARAMETERS:

- Colour: white
- Correction time: 10 min
- Full curing time: 3 h
- Application temperature: +5°C to +30°C
- Temperature resistance after curing: -40°C to +90°C

BENEFITS:

- Cures 8 x faster than other traditional mounting adhesives
- Very high bonding strength: up to 400 kg / 10 cm²
- Bonds all materials
- Can be used on a damp substrate*
- Moisture resistant
- For interior and exterior use
- Ecological: does not contain solvents, silicones or isocyanates
- Neutral: does not corrode metals, does not damage sensitive surfaces
- The joint can be painted
- Easy to extrude
- Low VOC emission

*not suitable for permanent contact with water





Clear

Mounting Adhesive & Sealant

Transparent adhesive-sealant based on MS Hybrid Technology. It is recommended for bonding and sealing of almost all materials and most substrates in modern construction.



APPLICATIONS:

- Sealing of joints, connections and gaps in kitchens and bathrooms
- Bonding and sealing of elements and materials like: wood, glass, mirrors (also varnished), polystyrene, metal, PVC, gypsum, plasterboard, stainless steel, galvanized steel, artificial and natural stone, concrete, brick, cork, ceramics, porcelain, mineral wool and glass wool in any combination
- Bonding of decorative elements, hobby works and minor repairs
- Bonding of furniture, bent elements, drain pipes, non-construction elements such as in trailers, container semi-trailers (including refrigerated ones), etc., and minor roof repairs

BENEFITS:

- Colourless joint
- Resistant to mould and fungus growth
- Does not corrode metals, does not damage sensitive surfaces
- Joint can be painted
- Can be used on moist (not wet) surfaces
- Indoor and outdoor usage
- Excellent adhesion to most materials used in finishing jobs (except PE, PP, Teflon and bitumen)
- UV resistant

TECHNICAL PARAMETERS:

- Colour: transparent
- Skin formation time: 10 min
- Curing time: 2–4 mm / 24 h
- Working time: 20–25 min
- Temperature resistance (after curing): -30°C to +80°C
- Application temperature: +5°C to +30°C
- Full curing time: 24 hours

Elastic

Mounting Adhesive & Sealant

Elastic adhesive-sealant based on MS Hybrid Technology. It is recommended for bonding and sealing of almost all materials and most substrates in modern construction. Creates a strong and flexible joint which deadens vibrations, expansions and contractions.



APPLICATIONS:

- Bonding of a wide range of finishing materials to typical surfaces, such as: concrete, wood, gypsum, brick, glass, stone, cork and polystyrene
- Bonding of baseboards, plinths, doorsteps, floor panels, ceramic tiles, plaster and chipboard
- Sealing connections subjected to vibration (also in wet areas)

TECHNICAL PARAMETERS:

- Colour: white
- Working time: 15 min
- Skin formation time: ~10 min
- Temperature resistance after curing: -30°C to +80°C
- Application temperature: +5°C to +30°C
- Full curing time: 24 h

BENEFITS:

- Elastic joint
- Deadens vibrations, expansions and contractions
- High resistance to UV radiation
- Can be used indoors and outdoors
- Does not contain solvents, silicones and isocyanates
- Does not corrode metals, does not damage sensitive surfaces
- Resistant to changing weather conditions and moisture
- The joint can be painted



Instant Invisible Mounting Adhesive



Instant Invisible is an innovative adhesive based on MS Hybrid Technology with a quick initial bond and high adhesive strength. It has a crystal clear colour, which is perfect for clean and invisible finishes. The product is chemically neutral, which means, it does not contain solvents or isocyanates, does not corrode metals, and does not destroy nor decolorize sensitive surfaces.

APPLICATIONS:

- Bonding elements where an invisible joint is required
- Bonding a wide range of finishing materials to typical surfaces, such as: concrete, wood, brick, glass, metal, plastic substrates, stone and cork
- Bonding of baseboards, plinths, doorsteps, floor panels, ceramic tiles and chipboard

BENEFITS:

- A crystal clear colour for clean and invisible finishes
- Durable initial tack
- High bonding strength – up to 300 kg/10 cm²
- Flexible joint
- Excellent adhesion to most surfaces, both porous and non-porous
- High resistance to UV radiation
- Can be used indoors and outdoors
- Does not contain solvents, silicones and isocyanates
- Does not corrode metals, does not damage sensitive surfaces
- Resistant to changing weather conditions and moisture

TECHNICAL PARAMETERS:

- Colour: crystal clear
- Skin formation time: 9 min
- Working time: 15–20 min
- Temperature resistance after curing: -40°C to +90°C
- Application temperature: +5°C to +30°C
- Full curing time: 24 h

Sanit

Straw Polyurethane Foam



Polymer-based mounting adhesive with high application and performance parameters. Hybrid technology guarantees an immediate and strong initial tack within 1 second, even on vertical surfaces without the need to support of bonding element. It creates a durable joint resistant to changing temperature and humidity conditions, UV radiation, fungi and mold.

APPLICATIONS:

- for installation of: skirting boards; decorative and finishing elements, wall panels, wall coverings, window sills, treads, thresholds, plinths, mirror and ceramic tiles
- for bonding materials made of wood, cork, stone, marble, PVC, glass, lacquered glass, wood-based materials (MDF, HDF), raw aluminum, EPS, XPS and mirrors
- for sticking on substrates such as concrete, wood and glass

BENEFITS:

- fast and very strong initial tack
- flexible joint resistant to moisture
- suitable for exterior and interior applications
- high resistance to UV radiation
- paintable after curing

TECHNICAL PARAMETERS:

- Colour: white
- Full curing time: 24 h
- Application temperature: +5°C - +30°C
- Temperature resistance: -40°C - +90°C
- Skin formation time: 5-10 min

*Can temperature must be min. +15°C

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|-------------------------------|---------|-----------|----------------|-------------------|
| Sanit Straw Polyurethane Foam | 750 ml | Can | 12 | 624 |



| | SILICONES | | | | | | | |
|--|-------------|--------------|-------------|--------------------|-------------------|---------------------------|-----------------------------|---------------------------|
| | Ideal Home | Turbo Effect | STOP MOLD | Universal Silicone | Sanitary Silicone | Neutral Building Silicone | Aquarium & Glazing Silicone | High Temperature Silicone |
| TECHNICAL PARAMETERS | | | | | | | | |
| Basis | neutral | acetoxo | | acetoxo | acetoxo | neutral | acetoxo | acetoxo |
| Density (ISO 2811-1) [g/ml] | 1.00 ± 1.02 | 0.98 ± 0.01 | 1.15 - 1.19 | 0.96 ± 0.01 | 0.97 ± 0.01 | 0.95 to 0.98 | 1.02 ± 0.01 | 1.02 ± 0.02 |
| Cure rate [mm / 24 h] | 2-3 | 2-3 | 3-4 | 2-3 | 2-3 | 2-3 | 2-3 | 2-3 |
| Skin formation [min] | 5-30 | 5-20 | 5-7 | 5-30 | 5-30 | 5-15 | 5-30 | 5-30 |
| Shore A Hardness (ISO 868) | 22 ± 26 | 16 ± 21 | 37-43 | 16 ± 4 | 16 ± 4 | 18 ± 2 | 24 ± 2 | 27 ± 3 |
| Elongation at break (ISO 8339) [%] | 120 ± 320 | 125 ± 10 | - | 245 ± 55 | 245 ± 55 | 150 ± 50 | 113 ± 7 | 112 ± 7 |
| Movement accommodation (ISO 9047) [%] | ±25 | - | - | ±25 | ±25 | ±25 | ±20 | 20 |
| Elasticity modulus 100% (ISO 8339) [MPa] | 0.36 ± 0.49 | 0.45 ± 0.05 | - | 0.27 ± 0.07 | 0.27 ± 0.07 | 0.35 ± 0.05 | 0.45 ± 0.05 | 0.45 ± 0.05 |
| Elastic recovery (ISO 7389) [%] | 95 ± 99 | - | - | - | - | 97 ± 2 | 97 ± 2 | 97 ± 2 |
| Application temperature [°C] | +5 to +40 | +5 to +40 | +5 to +30 | +5 to +40 | +5 to +40 | +5 to +40 | +5 to +40 | +5 to +40 |
| Temperature resistance [°C] | -40 to +100 | -40 to +100 | +5 to +25 | -40 to +100 | -40 to +100 | -40 to +120 | -50 to +180 (+205) | -65 to +245 (+305) |
| Resistance to fungi and mould | ■ ■ ■ | ■ ■ ■ | ■ ■ ■ | ■ | ■ | ■ | ■ | ■ |
| Paintability | - | - | - | - | - | - | - | - |
| APPLICATION | | | | | | | | |
| Interior | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| Exterior | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| High humidity areas | ++ | ++ | ++ | + | ++ | + | ++ | + |
| Aluminium | ++ | + | ++ | + | + | + | ++ | ++ |
| Stainless steel | ++ | + | ++ | + | + | ++ | + | ++ |
| Ceramic tiles | ++ | ++ | ++ | ++ | ++ | ++ | ++ | + |
| Glass | ++ | ++ | ++ | ++ | ++ | ++ | ++ | + |
| Wood | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| PVC | ++ | + | ++ | + | + | ++ | ++ | + |
| Natural stone | + | - | ++ | - | - | - | - | - |
| Brick | ++ | - | ++ | - | - | ++ | - | + |
| Concrete | + | - | ++ | - | - | + | - | - |
| Plaster | ++ | - | ++ | - | - | + | - | - |
| Clinker tiles | ++ | + | ++ | + | + | ++ | ++ | ++ |
| Mirror | ++ | - | ++ | - | - | - | - | - |

++

RECOMMENDED

+

CAN BE USED

-

DO NOT USE



| MOUNTING ADHESIVES | | | | | | | | | | | |
|------------------------------|---------------|-------------------|--------------------|----------------|-------------|------------|--------------------------------|----------------|---------------|-------------|----------------------|
| | Turbo GT | Instant Invisible | Clear | Elastic | Classic Fix | Multi-Use | Mounting Adhesive for Mirror | Heavy Duty | Decor Express | Hydro Fix | PU Mounting Adhesive |
| Main benefit | fast & strong | crystal clear | adhesive & sealant | flexible joint | transparent | universal | does not damage silver surface | outdoor/indoor | ecological | transparent | extremely strong |
| TECHNICAL PARAMETERS | | | | | | | | | | | |
| Basis | Hybrid | Hybrid | Hybrid | Hybrid | solvent | solvent | solvent | solvent | acrylic | acrylic | PU |
| Initial tack (kg /m²) | +++ | ++ | - | - | - | - | - | + | + | | |
| Open time (min) | 10 | 15 to 20 | 15 to 20 | 15 to 20 | 10 to 15 | 10 to 15 | 10 to 15 | 5-10 | 10 to 15 | 20 to 30 | 5-7 |
| Full cure (h) | 3 | 24 | 24 | 24 | 48-72 | 48-72 | 48-72 | 48-72 | 48 | 72 | 24 |
| Application temperature [°C] | +5 to +30 | +5 to +30 | +5 to +30 | +5 to +30 | +10 to +30 | +10 to +30 | +10 to +30 | -20 to +30 | +10 to +30 | +10 to +30 | +5 to +25 |
| Temperature resistance [°C] | -40 to +90 | -40 to +90 | -30 to +80 | -30 to +80 | -20 to +60 | -20 to +60 | -20 to +60 | -20 to +60 | -20 to +60 | -20 to +60 | -40 to +80 |
| Elasticity | ++ | ++ | +++ | +++ | + | + | + | + | + | + | - |
| APPLICATION | | | | | | | | | | | |
| Interior | + | + | + | + | + | + | + | + | + | + | + |
| Exterior | + | + | + | + | + | + | + | + | - | - | + |
| For damp rooms | ++ | ++ | ++ | ++ | + | + | ++ | + | + | + | + |
| Wood | ++ | ++ | ++ | ++ | ++ | ++ | + | ++ | ++ | ++ | ++ |
| Polystyrene | ++ | ++ | ++ | ++ | - | - | - | - | ++ | ++ | ++ |
| Metal | ++ | ++ | ++ | ++ | + | ++ | + | ++ | + | - | ++ |
| Glass | ++ | ++ | ++ | + | ++ | + | ++ | + | + | ++ | + |
| Mirror | ++ | + | + | + | - | - | ++ | - | - | - | - |
| PVC | + | + | + | ++ | ++ | ++ | + | ++ | + | + | + |
| Ceramic tiles | ++ | ++ | ++ | ++ | + | + | ++ | + | ++ | - | - |
| Natural stone | ++ | ++ | ++ | ++ | + | - | - | - | + | + | ++ |

++

RECOMMENDED

+

CAN BE USED

-

DO NOT USE



Silicone Finishing Set



Professional silicone application kit with four differently shaped tools for dispensing and finishing the joint before it cures.

| Product name | Packaging | Pieces per box |
|------------------------|-----------|----------------|
| Silicone Finishing Set | Blister | 4 |

Vector

Heavy Duty Caulking Gun



Very high quality, professional and easy to use extruder for application of sealants and adhesives in 310 ml cartridges.

BENEFITS:

- Compact construction
- Very long life
- Very high quality

TECHNICAL PARAMETERS:

- For 310 ml cartridges

| Product name | Packaging | Pieces per box |
|--------------------------------|-----------|----------------|
| Vector Heavy Duty Caulking Gun | Box | 1 |



Profi

Skeleton Gun



High quality gun for dispensing sealants and adhesives in 310 ml cartridges.

BENEFITS:

- Rigid steel structure resistant to deformation and bending
- Firm handle grip

TECHNICAL PARAMETERS:

- For 310 ml cartridges

| Product name | Packaging | Pieces per box |
|--------------------|-----------|----------------|
| Profi Skeleton Gun | Box | 1 |

Standard

Skeleton Gun



Easy-to-use professional extruder for application of sealants in 310 ml cartridges.

BENEFITS:

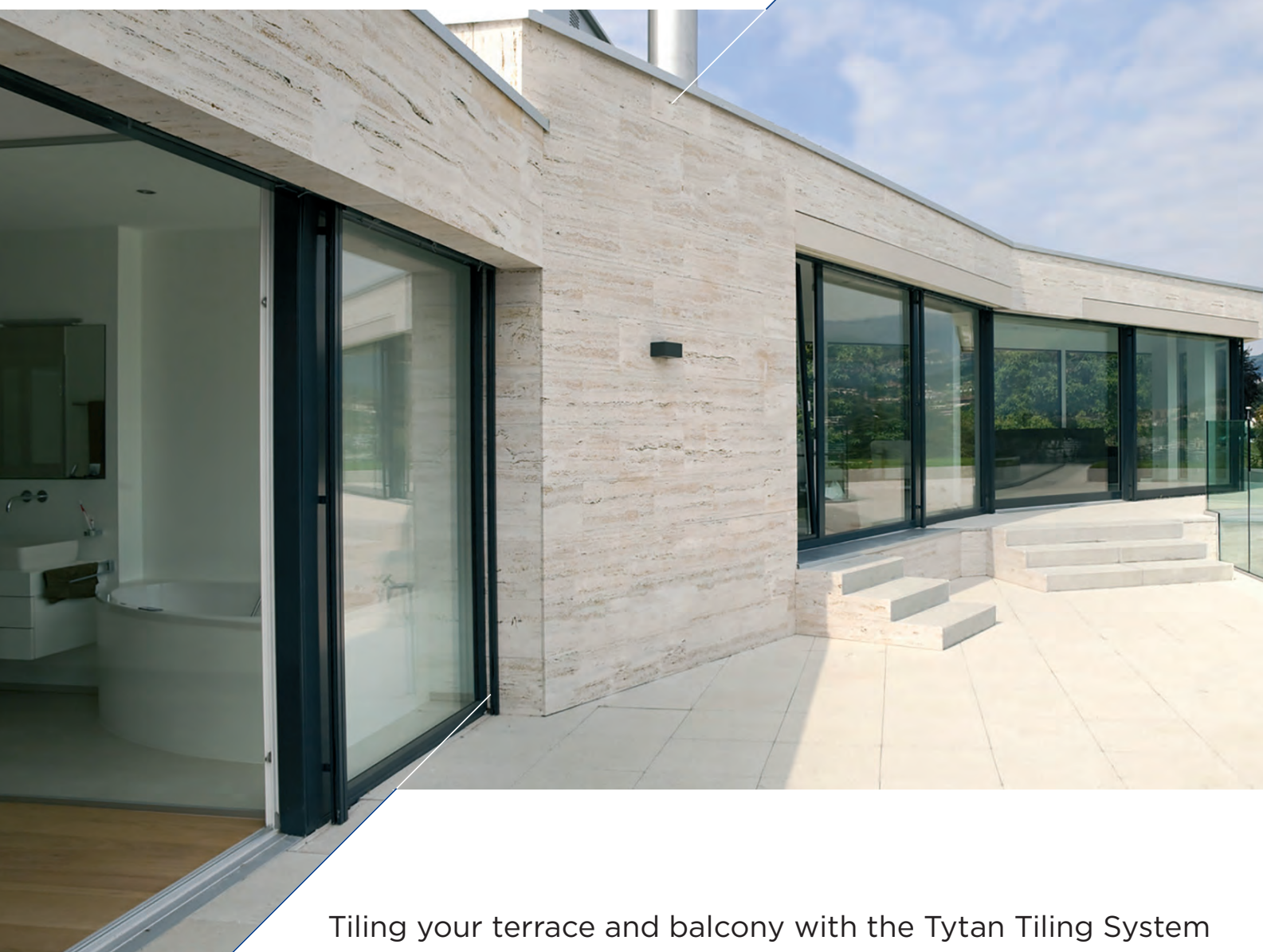
- Compact construction
- Very long life

TECHNICAL PARAMETERS:

- For 310 ml cartridges

| Product name | Packaging | Pieces per box |
|-----------------------|-----------|----------------|
| Standard Skeleton Gun | Box | 1 |

TERRACES & BALCONIES



Tiling your terrace and balcony with the Tytan Tiling System

- A Product for durable and aesthetic structures
- High quality adhesives ideal for all types and sizes of tiles, including natural stone used on terraces and balconies
- Excellent security and waterproofing



Terraces and balconies are ideal places for social meetings and relaxation with the family, as well as a place which adds character to the building. Balconies and terraces are constantly exposed to unfavourable weather. Radical temperature fluctuations, snow and rain all have a detrimental effect on them and lead to the appearance of cracks, efflorescence, chipped grout or cracked tiles. Because of this, all construction works on balconies and terraces should be carried out with extra care and attention to detail.

The application of the Tytan Professional System for balconies and terraces allows beautiful recreational areas to be created, which at the same time meet the required strength parameters.

Terraces and balconies are also one of the most difficult places to lay tiles. Therefore the precise choice of finishing details and the correct selection of products results in a secure and pleasing result.

Easy to maintain, resistant, durable, fashionable and functional - these are the requirements of terraces and balconies for the modern home. The use of Tytan Professional products on balconies and terraces are sure to satisfy all the needs of even the most demanding users.



TERRACES & BALCONIES



- 116 FiberGel SuperFlex Highly flexible deformable strong gel adhesive with fibres
- 116 FiberGel Flex Highly flexible strong gel adhesive with fibres
- 117 Flex Flexible Tile Adhesive
- 118 HYDRO 2K EXPRESS Fast-setting highly elastic waterproofing with fibers
- 118 HYDRO 2K Highly elastic waterproofing with fibers
- 119 Disprobit Dispersive Asphalt Compound
- 119 Abizol G Bitumen Rubber Mastic
- 120 Tape "TPER"
- 120 Betonkontakt Bonding Primer
- 121 Multigrunt Primer
- 121 Contact Primer for Non-Absorbent Substrates



FiberGel SuperFlex Highly flexible deformable strong gel adhesive with fibres



FiberGel SuperFlex Adhesive is suitable for bonding any type of wall and floor ceramic tiles, terracotta, clinker, mosaics, terrazzo and cement tiles, natural stone tiles insensitive to staining and artificial stone.

APPLICATIONS:

- For critical substrates: tile on tile, OSB
- Swimming pools, terraces and balconies
- Industrial buildings, offices, corridors and pedestrian areas
- Kitchens, bathrooms, living rooms
- For substrates with floor and wall heating

BENEFITS:

- NO LIMIT format tiles
- Multifunctional 3 in 1 - pourable - medium layer - surface filler
- FIBERGEL TECHNOLOGY – possibility to adjust the consistency to the type of work - reinforced with fibres
- Wide temperature range
- Highly flexible, deformable, strong
- Compatible with waterproofing in Tytan Professional tiling systems
- Water and frost resistant
- Overhead application possible
- Very good adhesion to the substrate

TECHNICAL PARAMETERS:

- Application temperature: +5°C to +35°C
- Open time: 40 min
- Grouting of walls: after 12h
- Partial use (pedestrian walk): after 2 days
- Layer thickness: 2–15 mm
- Tile correction time: 30 min
- No flow
- Grouting of floors: after 12h
- Full use: after 14 days
- EN 12004 C2 TE S1

| Product name | Content | Packaging | Pieces per pallet |
|---|---------|-----------|-------------------|
| FiberGel SuperFlex Highly flexible deformable strong gel adhesive with fibres | 25 kg | Bag | 48 |

FiberGel Flex Highly flexible strong gel adhesive with fibres



Flex Gel Adhesive is suitable for bonding any type of wall and floor ceramic tiles, terracotta, clinker, mosaics, terrazzo and cement tiles, natural stone tiles insensitive to staining and artificial stone.

APPLICATIONS:

- Swimming pools
- Terraces and balconies
- Industrial buildings
- Offices, corridors and pedestrian areas
- Kitchens, bathrooms, living rooms
- For substrates with floor and wall heating
- For big format tiles

BENEFITS:

- Multifunctional 3 in 1 - pourable - medium layer - surface filler
- FIBERGEL TECHNOLOGY – possibility to adjust the consistency to the type of work - reinforced with fibres
- Wide temperature range
- Highly flexible, strong
- Compatible with waterproofing in Tytan Professional tiling systems
- Water and frost resistant
- Overhead application possible
- Very good adhesion to the substrate
- For XL format tiles

TECHNICAL PARAMETERS:

- Application temperature: +5°C to +35°C
- Open time: 40 min
- Grouting of walls: after 12h
- Partial use (pedestrian walk): after 2 days
- Layer thickness: 2–15 mm
- Tile correction time: 30 min
- No flow
- Grouting of floors: after 12h
- Full use: after 14 days
- EN 12004 C2 TE

| Product name | Content | Packaging | Pieces per pallet |
|---|---------|-----------|-------------------|
| FiberGel Flex Highly flexible strong gel adhesive with fibres | 25 kg | Bag | 48 |

Flex

Flexible Tile Adhesive



Flexible Tile Adhesive Flex is suitable for fixing all types of wall and floor ceramic tiles, glazed, terracotta, clinker, mosaics, terrazzo and cement tiles, natural stone tiles that are resistant to discolouration (after prior checking of their resistance to discolouration). The adhesive mortar can be applied to every typical and demanding substrate, internally or externally.

APPLICATIONS:

- Milled rock, terracotta, clinker, mosaics, terrazzo and cement tiles
- Natural stone
- Balconies and terraces
- Floor and wall heating
- For external and internal use

BENEFITS:

- For L format tiles
- For difficult substrates
- For underfloor heating
- Water and frost resistant

TECHNICAL PARAMETERS:

- Mixing ratio: 6–6.5 l of water per 25 kg of dry mortar
- Mortar ready-for-use time after mixing with water: up to 4 h
- Application temperature: +5°C to +25°C
- Open time: 30 min
- Correction time: 30 min
- Grouting walls/floors: after 12/24 h
- Partial/full usage: after 3/28 days
- Flow: ≤ 0.5 mm
- Approximate consumption at a thickness of 1 mm: approx. 1.4 kg/m²
- Layer thickness: 2–10 mm
- EN 12004 C2TE

| Product name | Content | Packaging | Pieces per pallet |
|-------------------------------------|---------|-----------|-------------------|
| Flex Flexible Tile Adhesive TS54 | 25 kg | Bag | 48 |





HYDRO 2K EXPRESS

Fast-setting highly elastic waterproofing with fibers



HYDRO 2K EXPRESS Fast-setting, two-component waterproofing mortar. Thanks to the use of high-quality polymer dispersions and reinforcing fibers, it is characterized by very high elasticity and mechanical resistance.

APPLICATIONS:

- For waterproofing under ceramic tiles, outdoors
- For typical mineral substrates, such as: cement floors and screeds, cement and cement-lime plasters, concrete
- For terraces, balconies and swimming pools
- For external stairs
- For combined waterproofing with C2 class adhesives according to EN 12004: 2012 as well as Tytan Professional waterproofing tapes and cuffs.

BENEFITS:

- Fast-setting
- Creates a flexible, durable waterproof coating
- Resistant to lime water
- Resistant to chlorinated water
- Wide application temperature range from 2°C to 35°C
- Very good adhesion to the substrate
- Frost resistant

TECHNICAL PARAMETERS:

- Class: CM02P
- Minimum layers: 2
- Curing time for 1 layer: 1,5 h
- Resistance to rain: after 2 h
- Possibility of tiling: after 3 h
- Approximate consumption per 1 mm thickness: 1,5 [kg/m²]
- Crack-bridging ability: ≤0,75 mm

| Product name | Capacity | Content | Pieces per pallet |
|------------------|--------------|---------|-------------------|
| HYDRO 2K EXPRESS | Składnik A | 28 kg | 32 |
| | Składnik B | 8 kg | 32 |
| | Składnik A+B | 16 | 24 |

HYDRO 2K

Highly elastic waterproofing with fibers



Hydro 2K is a highly flexible, two-component waterproofing mortar. Thanks to the use of high-quality polymer dispersions and reinforcing fibers, it is characterized by high elasticity and mechanical resistance.

APPLICATIONS:

- For waterproofing under ceramic tiles, outdoors
- For typical mineral substrates, such as: cement floors and screeds, cement and cement-lime plasters, concrete
- For terraces, balconies and swimming pools
- For external stairs
- For combined waterproofing with C2 class adhesives according to EN 12004: 2012 as well as Tytan Professional waterproofing tapes and cuffs.

BENEFITS:

- Creates a flexible, durable waterproof coating
- Resistant to lime water
- Resistant to chlorinated water
- Wide application temperature range from 2°C to 35°C
- Very good adhesion to the substrate
- Frost resistant

TECHNICAL PARAMETERS:

- Class: CM02P
- Minimum layers: 2
- Curing time for 1 layer: 3 h
- Resistance to rain: after 6 h
- Possibility of tiling: after 24 h
- Approximate consumption per 1 mm thickness: 1,5 [kg/m²]
- Crack-bridging ability: ≤0,75 mm

| Product name | Capacity | Content | Pieces per pallet |
|---|--------------|---------|-------------------|
| Tape "TPER" for Hydro 2K and HYDRO liquid foils | Składnik A+B | 8 kg | 24 |
| | Składnik A+B | 16 kg | 24 |
| | Składnik B | 8 kg | 32 |
| | Składnik A | 24 kg | 32 |



Disprobit

Dispersive Asphalt Compound

Disprobit compound is a dispersive asphalt compound modified with synthetic rubber. Designated for light hydrophobic insulations. Disprobit compounds can be applied on dry and moist surfaces. Can be combined with foamed polystyrene.



APPLICATIONS:

- Priming under bitumen compounds (water based compounds)
- Moisture-prevention in the underground parts of buildings
- Hydrophobic insulations under floor pavements in basements, garages, on terraces, balconies

BENEFITS:

- Works on dry and moist surfaces
- Does not flow the vertical surfaces
- Does not contain solvents

TECHNICAL PARAMETERS:

- Consistency: thixotropic substance
- Colour: dark brown/ black
- Application temperature: +5°C to +30°C
- Priming:
 - dilution with water: 1:2
 - consumption: 0.2–0.3 kg/m²
- Insulation:
 - curing time for 1 layer: 6 h
 - consumption: 0.8-1.2 kg/m² for 1 layer
 - number of layers: 2-4 depending on application

| Product name | Content | Packaging | Pieces per pallet |
|--------------|---------|---------------|-------------------|
| Disprobit | 1 kg | Bucket | 80 |
| | 10 kg | Bucket: metal | 44/ 44 |
| | 20 kg | Bucket: metal | 27/ 33 |

Abizol G

Bitumen Rubber Mastic

Abizol G is an elastic dense bitumen putty modified with synthetic rubber and reinforced with fibres. It creates insulation layers which are highly resistant to cracks caused by frost. The membranes are very flexible, are able to absorb the surface movements and are resistant to weather conditions, soft acids and alkalis, as well as aggressive substances in the soil.



APPLICATIONS:

- Spot sealing in hydrophobic insulation
- Creating elastic seamless hydrophobic membranes underground

BENEFITS:

- Contains reinforcing fibres
- Absorbs even significant surface movement
- Works even on slightly moist surfaces

TECHNICAL PARAMETERS:

- Consistency: dense thixotropic substance
- Colour: black
- Layer thickness:
 - repairs: 2–5 mm
 - jointless membranes: 2-3 mm
- Application temperature: +5°C to +35°C
- Initial drying time: 3–4 h
- Curing time: 3–4 days
- Consumption: approx. 1.2 kg/m² for 1 mm of layer thickness
- Number of layers:
 - sealing: depending on needs

| Product name | Content | Packaging | Pieces per pallet |
|--------------|---------|---------------|-------------------|
| Abizol G | 1 kg | Bucket: metal | 324/ 378 |
| | 5 kg | Bucket: metal | 80/ 96 |



Tape "TPER"



Recommended for use together with Hydro 2K and Flexible Sealing Mortar Hydro 1K, to ensure perfect waterproofing. Effectively protects joints against penetration of water and moisture.

APPLICATIONS:

- Terraces, balconies, swimming pools, water tanks and other wet areas
- Protection of corners, edges, dilation joints, floor cracks and pipe apertures
- Vertical and horizontal insulation in underground parts of buildings

BENEFITS:

- Flexible and durable seal
- Can be used with any tile application method
- Resistant to aggressive media
- Vapour permeable

TECHNICAL PARAMETERS:

- Composition: tape made from: polyester mesh. Central stripe is covered from top and bottom by a thermoplastic elastomer, bottom side of elastomer is covered by polypropylene fabric
- Size:
 - total wide: 80–3200 mm
 - elastomer wide: 80–3200 mm
- Watertight under pressure: 0.5 MPa

| Product name | Content | Dimensions | Packaging | Pieces per box | Pieces per pallet |
|---|------------|---------------|-----------|----------------|-------------------|
| Tape "TPER" for Hydro 2K and HYDRO liquid foils | Tape | 120 mm x 10 m | Box | 36 | 504 |
| | Tape | 120 mm x 50 m | Box | 16 | 96 |
| | Wall cuff | 120 x 120 mm | Box | – | – |
| | Floor cuff | 425 x 425 mm | Box | – | – |

Betonkontakt Bonding Primer



Primer Betonkontakt is a bonding primer, ready to use, highly adhesive based on an acrylic dispersion with added quartz aggregate. Increases ground roughness and improves the adhesion of subsequent layers. Balances and regulates absorption in mixed substrates.

APPLICATIONS:

- For sealed concrete, cement, old tiles, and prefabricated elements

BENEFITS:

- Improves adhesion to absorbent and non-absorbent substrates
- Balances surface absorbency
- For internal and external use

TECHNICAL PARAMETERS:

- Consumption approx. 0.20–0.35 kg per 1 m², depending on the evenness and absorbency of the substrate drying time approx. 6 h
- Application temperature (substrate, air, materials): +5°C to +30°C
- Possibility to apply another layer 12 h after priming
- PN-C-81906 TE0304

| Product name | Content | Packaging | Pieces per pallet | Colours |
|-----------------------------|---------|-----------|-------------------|---------|
| Betonkontakt Bonding Primer | 7 kg | Bucket | 100 | White |
| | 15 kg | Bucket | 33 | White |



Multigrunt

Primer

Multigrunt is a concentrated primer based on two types of acrylic dispersions that strengthen the substrate, levelling the absorbency and increasing the adhesion of screeds, adhesives, plasters, and interior and exterior paints. Penetrates the substrate, strengthens the surfaces, binds the loose particles and limits the water absorption of the substrate.



APPLICATIONS:

- Cement substrate, gypsum, anhydrite, plasterboard, autoclaved aerated concrete blocks, cement plasters, cement-lime plasters, and gypsum plasters

BENEFITS:

- Concentrated
- Increases adhesion
- Strengthens substrate
- For internal and external use
- For adhesives, plasters, paints and floor levelling

TECHNICAL PARAMETERS:

- Application temperature (substrate, air, materials): +5°C to +25°C
- Consumption without dilution: approx. 0.2 l per 1 m²/l depending on the evenness and absorption of substrate
- Drying time: approx. 3 h
- Drying time before continuing work: 6 h after priming

| Product name | Content | Packaging | Pieces per pallet | Colours |
|-----------------------|---------|-----------|-------------------|-------------|
| Multigrunt Primer S01 | 5 l | Canister | 108 | Transparent |

Contact

Primer for Non-Absorbent Substrates

Contact Primer for non-absorbent substrates bonding primer is a ready-to-use, highly adhesive preparation based on acrylic dispersions with added quartz aggregate. A vapour-permeable product.



APPLICATIONS:

- Can be used for non-absorbent materials such as concrete, plasterboard, various coatings, paint, OSB and other sealed mineral surfaces

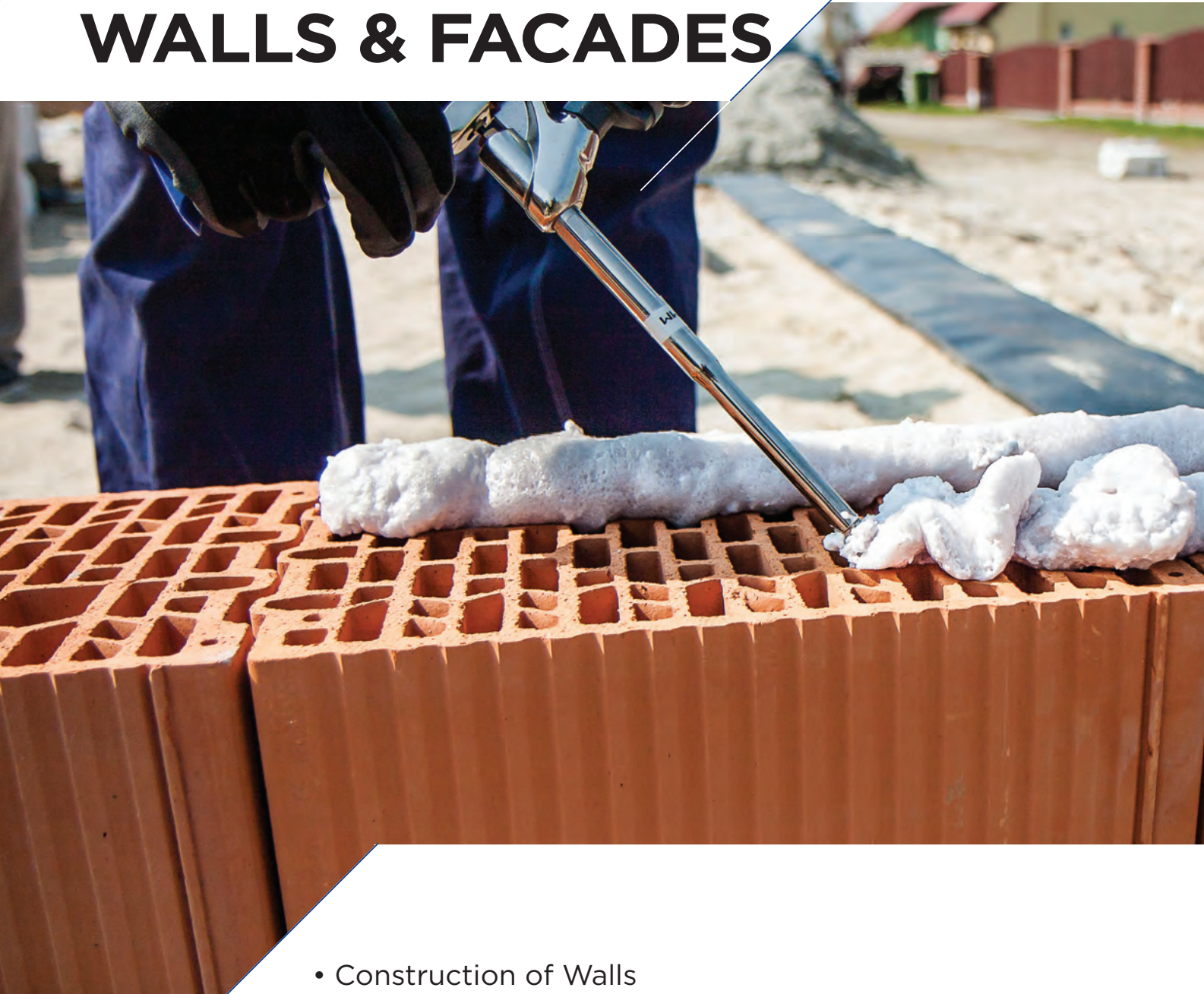
BENEFITS:

- Improves adhesion to absorbent and non-absorbent substrates
- Balances surface absorbency
- For internal and external use
- For walls and floors

TECHNICAL PARAMETERS:

- Application temperature (substrate, air, materials): +5°C to +25°C
- Consumption ar. 0.15 per 1 m², depending on the evenness and absorbency of the substrate
- Drying time approx. 1–2 h
- Possibility to apply covering after min 2 h
- PN-C-81906 TS12

WALLS & FACADES



- Construction of Walls
- Facade Solutions
- Facade Sealing, Bonding & Anchoring



Walls and Facades are an essential part of the construction. If well made, they will provide strength, durability and an aesthetically pleasing building which will offer improved comfort of living and increase energy savings. Selena offers a wide portfolio of products for Walls and Facades including solutions for bricklaying, plastering, external and internal insulation, joints sealing and products for bonding and anchoring on facades and walls.

With innovative solutions, prepared by experts, Selena portfolio meets all professional requirements. The combination of traditional solutions with modern technologies and components allows us to improve the buildings' performance and make construction work easier and faster. This means guaranteed satisfaction for everyone involved in the construction from professional contractors to investors.



WALLS & FACADES



-
- 129 Foam Adhesive for Bricklaying
 - 130 Mur 2-10 Thin Bed Mortar
 - 130 Starter
 - 131 Foam Adhesive for Drywall
 - 131 Drywall Positioning Kit



CONSTRUCTION OF WALLS

Given the fundamental role of a wall it is important that it should satisfy all functional performance requirements adequately. The main requirements for a wall are: strength, stability, weather and moisture resistance, durability and resistance. Tytan Professional portfolio was developed to meet all necessary parameters and to work with a variety of materials and technologies of walls.

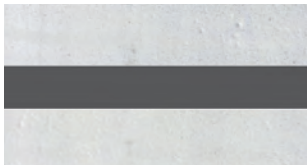
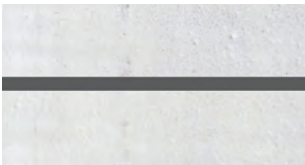
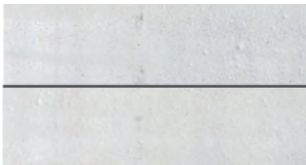



Masonry walls

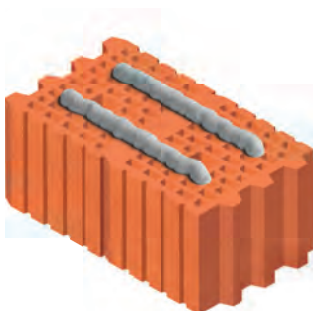
The most popular and traditional way of erecting walls. They are made of individual units of bricks, stones, marbles, granites, concrete blocks, which are held together by binding element. Historically, the binding element for the masonry walls has been mortar, since it has been in use for centuries. Selena as a pioneer in new technologies offers a new solution: Foam Adhesive for Bricklaying - a tested solution that makes **the bricklaying work much faster, easier and cleaner**.

Choosing the right binding element for masonry wall depends on the level of calibration of the masonry unit. In case of calibrated materials, it is possible to use Foam Adhesive or a Thin Bed Mortar. Calibrated materials are usually made of Aerated Concrete, Ceramic or Silicate.

Non-calibrated materials have to be bonded using mortar, since the joint between blocks is higher than 3 mm.

Below are the joint thicknesses achieved by using each kind of bricklaying technology. **The lower the joint the fewer thermal bridges.** That means reduction of heat loss in the construction.

| Bricks: | Uncalibrated | | Calibrated |
|----------------------------|---|--|---|
| Type of Binding Technology | Traditional Mortar | Thin Bed Mortar | Foam Adhesive for Bricklaying |
| Joint Width | 10–30 mm | 1–3 mm | 0,3–1,5 mm |
| |  |  |  |
| |  |  |  |





FOAD for Bricklaying – a new way of building

The masonry wall structure is made with two components: Masonry units and mortar. The thickness of the joint is always the coldest part of the wall, this is caused by the lower thermal characteristics of the mortar. That's why it is recommended to use Thin Layers. The latest product developed for this is Foam Adhesive for Bricklaying. A product based on polyurethane dedicate for bonding masonry units, reducing thermal bridges and simplifying the construction process.



Benefits

- Next works after 2h
- Re-usable
- Easy & Clean Bricklaying

Application



Perimeter walls in carcass building



Partition walls



Load bearing walls in family houses

| Two-storeyed family house, average building area 180 m ² | | |
|---|--|--|
| Walls area | Quantity of cans of foam adhesive | Quantity of bags of thin bed mortar |
| 286,7 m ² | 54,55 x 1 kg, 4,55 boxes | 90,74 x 25 kg, 1,89 europallet |
| Transport time | "15 min, Bearing a box to the vehicle and transport to construction side" | "1 day A special vehicle with crane is needed" |
| Weight and volume | 54,55 kg 4,55 boxes (20x20x40 cm) | 2269 kg 1,89 europallet |
| Transport cost | 5 EUR Car | 60 EUR Specialized vehicle : average cost 30 EUR for pallet |
| Application temperature | from -10°C to + 35 °C | from +5°C to + 25 °C |
| Mortar preparation | 1-2 min Shaking the can and installation on gun | 15 min Mixing with water |
| Bricklaying time 286,7 m ² | 232 min | 332 min |
| Amount of water for bricklaying 286,7 m ² | 0 litres No water is needed | 479 litres |
| "Tools cleaning (water & time)" | 145 litres 145 min (5 minutes per day) | 623 litres 622 min (15 minutes per day) |

Certified and tested:

- Technical approval for different materials such as TLMB AAC, silicate and ceramic block
- Confirmed classification of wall fire resistance on load and non load bearing walls (EN 13501-2:2008)
- Resistant to seismic excitations
- Stable adhesion strength under different weather conditions
- Durability of joints > 100 year

MORE
THAN

60 000 HOUSES

BUILT

LEAVE THE HARD
WORK BEHIND.

BRICKLAYING

- + NEXT FLOOR IN 24 HOURS
- + 50% FASTER WORK IN RELATION
TO CEMENT MORTAR
- + TEMPERATURE APPLICATION -10°C - +30°C



Foam Adhesive for Bricklaying



Foam Adhesive for Bricklaying is an alternative for cement-based thin bed mortars. It is suitable for bonding a wide range of calibrated materials such as autoclaved aerated concrete, calibrated ceramic bricks and silicate blocks.

APPLICATIONS:

- Load bearing walls
- Partition walls
- Cellular concrete, calibrated ceramic bricks and silicate blocks

BENEFITS:

- 24 h – full wall resistance
- Stronger than traditional mortars
- Resistant against fire and seismic activity
- Reduction of thermal bridges
- Hundreds of years of durability
- Cleaner and faster bricklaying
- Tested and approved for: AAC, calibrated ceramic and silicate block
- Can be applied in below zero temperatures

TECHNICAL PARAMETERS:

- Yield: up to 12 m²
- Application temperature: -10°C to +30°C
- Can temperature: +10°C to +30°C
- Initial cure: 2 h
- Full cure time: 24 h
- Correction time: ≤ 3 min
- Coefficient of thermal conductivity:
 $\lambda < 0,036 \text{ W/mK}$

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|-------------------------------|---------|-----------|----------------|-------------------|
| Foam Adhesive for Bricklaying | 870 ml | Can | 12 | 624 |



Mur 2-10

Thin Bed Mortar



Thin Bed Mortar for bricklaying of interior and exterior walls of calibrated materials such as autoclaved aerated concrete blocks, sand-lime (silicate) blocks and calibrated ceramic bricks with thin joint (2-6 mm). It is also recommended for other works in the construction industry, for example smoothing, filling cavities. It has excellent adhesion to various construction substrates. For applications in residential and industrial construction.

BENEFITS:

- For aerated concrete blocks laying
- For silicate blocks laying
- Vapour permeable
- Flexible and hydrophobic thin joint

TECHNICAL PARAMETERS:

- Mixing ratio: approx. 6,5 l of water for 25 kg of dry blend
- Layer thickness: 2–6 mm
- Max. size of the aggregates according to the standard: < 2,0 mm
- Bulk density: 1 630 kg/m³ ± 10%
- Bulk density of fresh mortar: 1 660 kg/m³ (± 5%)
- Compressive strength: ≥ 10 N/mm²
- Initial shear strength: 0,3 N/mm² (tab. value)
- Thermal conductivity coefficient (λ10, dry): 0,76 W/mK (tab. value)
- Adjustment time: up to 10 min
- Application temperature: + 5°C to +25°C
- Colour: grey or white
- EN 998-2 TYPE T, M10

| Product name | Content | Packaging | Pieces per pallet | Colours |
|--------------|---------|-----------|-------------------|---------|
| MUR 2-10 | 25 kg | Bag | 48 | Grey |
| | | | | White |

Starter



Scratch Coat is a cement based mortar applied directly onto the substrate before the application of finish layer of Tytan Building System. It is recommended for the mineral substrate preparation which will receive cement-lime plaster machine or manually applied. It improves the plaster adhesion to walls and ceilings, and levels the substrate absorption.

BENEFITS:

- Improves the adhesion to substrate
- Increases the efficiency of the next layer
- Vapour permeable
- For mechanical or manual application

TECHNICAL PARAMETERS:

- Mixing ratio with water: 5,5–6,0 l for 25 kg of dry blend
- Aggregate size: up to 1,0 mm
- Application temperature: +5°C to +25°C
- Compressive strength: CS IV
- Flexural strength: ≥ 2 MPa
- Consumption: 4–8 kg/m²
- Consumption time: max. 3 h
- Colour: natural grey
- EN 998-1 TYPE GP, CSIV, W2

| Product name | Content | Packaging | Pieces per pallet |
|--------------|---------|-----------|-------------------|
| Starter | 25 kg | Bag | 48 |



Foam Adhesive for Drywall



Professional one-component polyurethane adhesive dedicated to fixing drywall, fiber-cement, cement and wood-based boards (OSB) to substrates made of regular concrete, cellular concrete, ceramic brick, silicate blocks, wood-based boards.

APPLICATIONS:

- Gypsum based fiberboards/cardboards and cementitious boards) to variety of surfaces (masonry walls; concrete walls and columns; wooden based boards; insulation boards)

BENEFITS:

- 3 times faster than gypsum adhesive
- 100 m² in 1 hours
- 1 can VS 40 kg of traditional gypsum adhesive
- High bonding strength
- Possibility of correcting wall unevenness up to 2 cm
- Painting or mudding can be applied just after 30 minutes

TECHNICAL PARAMETERS:

- Colour: Green
- Yield: 10 m² (aprox. 3 boards)
- Application temperature: +5°C to +30°C
- Can temperature: +10°C to +30°C
- Correction time: 5 min
- Next processes (mudding, painting) after 30 min
- Fire rating: B-S1,d0 ***

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|---------------------------|---------|-----------|----------------|-------------------|
| Foam Adhesive for Drywall | 830 ml | Can | 12 | 624 |

Drywall Positioning Kit



The first set of positioners of this type for drywalls was designed to speed up and facilitate drywall-related works. The positioners are designed in such a way that they can be easily hooked to the edge of the plate, and by placing a second plate next to it, the thickness of the positioners will create a perfect, equal along the entire length joint between the boards. On the other hand, the wedges that you attach to the positioners make the boards perfectly self-leveling to each other, so you do not have to work with a spirit level.

APPLICATIONS:

- Drywall boards

BENEFITS:

- Even joint along the entire length
- Self-positioning system, no need to use spirit level ever again
- Precise and easy drywall mounting, ideal and smooth surface

TECHNICAL PARAMETERS:

- Dedicated arm on clips avoiding falling from walls in all dimensions
- Strong and easy to disassembly in the same time
- Patent pending design and technology

| Product name | Content | Packaging | Pieces per pallet |
|-------------------------|------------------------|-----------|-------------------|
| Drywall Positioning Kit | 10 clips x 10 wedges | Blister | 1 100 |
| | 30 clips x 30 wedges | Box | 660 |
| | 200 clips x 100 wedges | Box | 110 |
| | 300 clips | Box | 110 |



FACADE SOLUTIONS



- 138 Fast Adhesive for ETICS
- 139 IS11 Adhesive Mortar for Polystyrene
- 139 IS12 Adhesive Mortar for Mineral Wool
- 140 IS21 Adhesive & Reinforcement Mortar
- 140 IS22 Fibre-Reinforced Mortar
- 141 IS23 Special Adhesive for Mesh
- 141 Multigrunt
- 142 IS41 Universal Plaster Primer
- 142 IS51 / IS51N Acrylic Facade Plaster
- 143 IS52/IS52N Colloidal Silicate Plaster
- 143 IS53 / IS53N Silicone Facade Plaster
- 144 IS54 Mineral Plaster
- 144 IS55 / IS55N SISI Hybrid Facade Plaster
- 145 IS56 / IS56N Mosaic Plaster
- 145 Architectural Concrete
- 146 Wood effect system
- 146 Varnish for Decorative Plasters
- 147 Fibreglass Mesh IS165A
- 147 Fibreglass Mesh IS145
- 147 Facade Profiles
- 148 IS71 Facade Acrylic Paint
- 148 IS72 Facade Colloidal Silicate Paint
- 149 IS73 Facade Silicone Paint
- 149 IS74 Facade Silicate Paint
- 150 Winter Additive for Plaster & Paint
- 150 Summer Additive for Plasters
- 151 Facade Acrylic
- 151 Decorative Template



FACADE SOLUTIONS

Thermal insulation of buildings is undoubtedly one of the most vital stages of the construction. If properly performed, it influences the cost effectiveness of maintenance, improves the comfort of living and eases the environmental impact.



Why insulate buildings?

The uninsulated outer walls increase the maintenance costs of a given building. In winter time, due to the increased heating costs and in summer due to the cooling costs. Globally, regardless of the time of year, the lack of insulation negatively affects energy efficiency which leads to increased CO₂ emissions to the atmosphere. How to avoid it? The solution is simple: thermal insulation.

The thermal insulation is a protective layer whose function is to prevent cooling or overheating in the summer. It allows users to enjoy the thermal comfort and also stops the growth of pathogenic molds and fungi. In order to obtain a full guarantee and the assurance of the choice of compatible products, it is important that complete, technically approved insulating systems by one manufacturer are applied.

The products in Tytan Insulation Systems are designed to meet the most stringent requirements of thermal insulation capacity, durability and weatherproofing.

Tytan Insulation Systems meet the European and domestic quality demands. They hold EOTA (European Technical Assessment) certificate and local attestations.

Selena offers Tytan FGS – the Fastest Insulation System available in the market. It is based on IS13 – Fast Adhesive for ETICS and the system traditionally is applied on polystyrene panels or mineral wool. As a finish coat, we offer a large variety of decorative plasters, sprayed – on or applied manually.

Tytan Insulation Systems offer unlimited options of facade rendering. These products make your dreams become reality by rendering lively, vibrant colours to facades, allowing you to achieve unique, esthetic effects and ensuring their durability over long years. They are easy-to-use, convenient and give contractors and investors an opportunity to create attractive and durable facades.



Tytan FGS – the Fastest Insulation System. We speed up insulation!

Tytan FGS – the Fastest Insulation System is the newest solution for External Thermal Insulation of buildings. The system is based on 2 innovative solutions: Fast Adhesive for ETICS and the Spray-on Technology. Designed in consultation with professionals, it eliminates inconvenient and time-consuming procedures and reduces the total rendering time by up to 50%.

The Fastest Insulation System FGS offers a range of products including the following:

* FGS - is a commercial ETICS system built from products covered by European Technical Approvals ETA-16/0161.



Fast Adhesive for ETICS

- instant mounting of panels
- placing of panels up to 30 mm from the wall
- ideal for graphite polystyrene
- dowelling after 2 hours

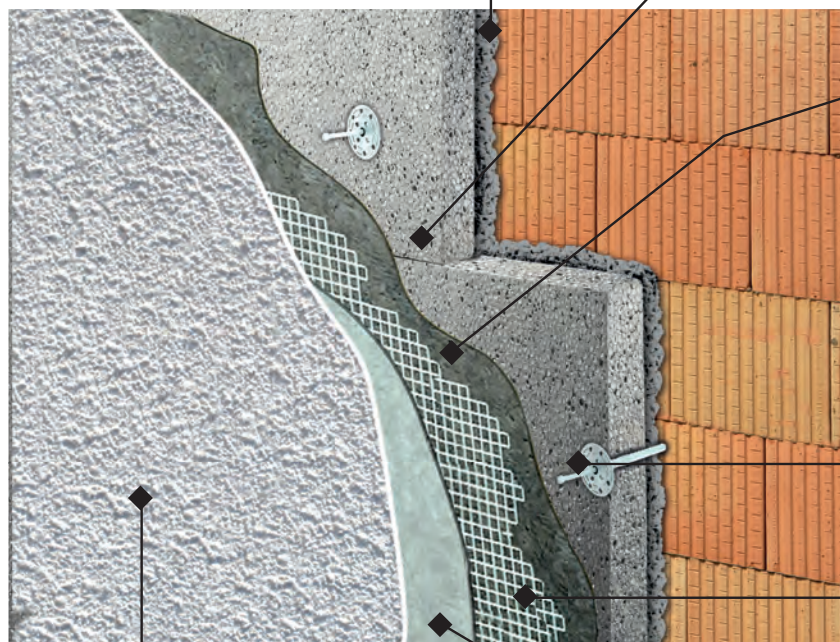


Graphite Polystyrene



Fibre-Reinforced Mortar

- reinforced with polypropylene in FiberGel Technology
- mechanical damage resistance
- high flexibility and adhesion



Fiberglass Mesh IS165A

- high weight: 165g/m²
- latex waterproofing coating
- very durable and flexible
- contains hydrophobic additive



Spray applied IS53N Silicone Facade Plaster

- Self-cleaning – resistant to dirt
- Hydrophobic – low absorbability
- Resistant to biological corrosion (fungi and algae)



IS41 Universal Plaster Primer

- reduces substrate absorption
- improves adhesion
- facilitates the application of plasters



Fast Adhesive for ETICS



Fast adhesive for ETICS is a unique and innovative component of Tytan FGS (Fast Grab System). It has been designed to ensure an easy and convenient bonding of Insulation boards.

With an unique high density formulation the process of bonding insulation boards can be done in a more efficient and easy way. Saving time, money and improving overall building performance.

| Application aspects | Cement adhesives | Fast Adhesive for ETICS |
|-------------------------|--------------------------------|-------------------------|
| Product preparation | 13 min | 1 min |
| Carrying heavy objects | 1 bag = 25 kg | 1 can = 1 kg |
| More place for storage | 1 pallet = 48 pcs | 2 boxes = 24 pcs |
| Additional tools needed | Buckets, mixer, drill, trowels | Foam gun |
| Electricity and water | Yes | No |
| Cleaning | 20 min | 1 min |
| Full cure | Min 4 days | 24 h |
| Anchoring | 2 days | 2 h |

Insulate 2 times more and anticipate consecutive steps in ETICS

- Insulate 10 m² in 30 minutes
- Start anchoring 2 hours after board installation
- Full cure after 24 hours

Unique high density formulation makes application precise and easy

- Instant initial grab of boards
- Possibility to correct up 30 mm of wall deviation
- High bead wind resistance

Formulation improves overall building parameters

- 4 kg less per m² when compared to traditional solutions
- Adhesive with extremely low thermal conductivity: $(\lambda) < 0,036 \text{ W/mK}$
- Flexible won't detach in case of board expansion, can be used with Graphite boards
- Tested in accordance to EOTA's directives:
 - ETAG 004 (guideline for European Technical Approval of ETICS)
 - Technical report no. 46 (test methods for foam adhesives for ETICS)





FAST ADHESIVE FOR STYROFOAM IS13

**WE SPEED UP
INSULATION**

**STYRO PRO
IS13**

- + 1 CAN = 50 KG OF CEMENT MORTAR
- + 2 HOURS TO FULLY CURE AND WORK FURTHER
- + EASY TRANSPORT, FAST AND CLEAN WORK



Fast Adhesive for ETICS



Innovation!

Foam adhesive Styro Pro Fast Adhesive for ETICS is recommended for mounting insulation boards in Tytan Insulation System. The innovative product formula has an outstanding density which ensures fast grab, precise installation and strong adhesion.

APPLICATIONS:

- Mounting insulation boards in ETICS
- All types of insulation materials: EPS, XPS, PUR/PIR, mineral wool and foamed glass
- All types of substrates: concrete, wood, OSB, bitumen membranes, autoclaved aerated concrete, ceramic brick, silicate brick, glass, metal and PVC

BENEFITS:

- Instant grab
- Correction of uneven surfaces up to 30 mm
- Easy board levelling and correcting
- Anchoring in 2 h
- Strong adhesion to graphite EPS

TECHNICAL PARAMETERS:

- Yield: up to 10 m²
- Application temperature: 0°C to +30°C
- Can temperature: +10°C to +30°C
- Open time: ≤ 5 min
- Correction time: ≤ 10 min
- Anchoring time: 2 h
- Coefficient of thermal conductivity: $\lambda < 0,036 \text{ W/mK}$
- Fire rating: B3/F (DIN 4102)
- Shelf life: 12 months
- Tested according to ETAG 004 and EOTA TR 46: N020-032439; N020-032442

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|------------------------------|---------|-----------|----------------|-------------------|
| IS13 Fast Adhesive for ETICS | 870 ml | Can | 12 | 624 |

IS11 Adhesive Mortar for Polystyrene



Adhesive Mortar for Polystyrene (EPS) is a cement based adhesive part of certified system for ETICS. Designed to bond EPS (expanded polystyrene) boards in Tytan ETICS EPS. It is suitable for both new buildings and also the buildings to be thermo-renovated with ETICS.

BENEFITS:

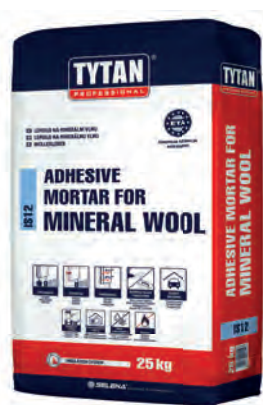
- Flexible
- Good adhesion to EPS boards
- Vapour permeable
- Resistant to weather conditions
- External and internal walls

TECHNICAL PARAMETERS:

- Mixing ratio (water per bag): approx. 5,0-5,5 l per 25 kg
- Consumption: 3,5-4,5 kg/m²
- Temperature of application: +5°C to +25°C
- Maturing time: 5 min
- Pot life of a water mix: up to 2h
- Drying time: 1-3 days
- Complete setting time: 28 days
- Adhesion acc. ETAG 004: to EPS-boards:
 - between layers after ageing: $\geq 0,08$ MPa

| Product name | Content | Packaging | Pieces per pallet | Colours |
|--------------------------------------|---------|-----------|-------------------|---------|
| IS11 Adhesive Mortar for Polystyrene | 25 kg | Bag | 48 | Grey |

IS12 Adhesive Mortar for Mineral Wool



Adhesive Mortar for Mineral Wool is designed to bond mineral wool boards in in thermal insulation system Tytan ETICS EPS and Tytan ETICS MW. It is suitable for both new buildings and also the buildings to be thermo-renovated with ETICS.

BENEFITS:

- Flexible
- Good adhesion to mineral wool boards
- Highly vapour permeable
- Resistant to weather conditions
- External and internal walls

TECHNICAL PARAMETERS:

- Mixing ratio (water per bag): approx. 5,0-5,5 l per 25 kg
- Consumption: 3,5-4,5 kg/m²
- Temperature of application: +5°C to +25°C
- Maturing time: 5 min
- Pot life of a water mix: up to 2 h
- Drying time: 1-3 days
- Complete setting time: 28 days
- Adhesion acc. ETAG 004: to EPS-boards:
 - between layers after ageing: $\geq 0,08$ MPa

| Product name | Content | Packaging | Pieces per pallet | Colours |
|---------------------------------------|---------|-----------|-------------------|---------|
| IS12 Adhesive Mortar for Mineral Wool | 25 kg | Bag | 48 | Grey |



IS21 Adhesive & Reinforcement Mortar



Adhesive & Reinforcement Mortar is designed to bond EPS (expanded polystyrene) boards and to form reinforcing layers in Tytan Insulation Systems. It is suitable for both new buildings and also the buildings to be thermo-renovated with ETICS.

BENEFITS:

- Flexible
- High adhesion to mineral substrates and EPS boards
- Vapour permeable
- Resistant to weather conditions
- External and internal walls
- Frost resistant after set
- Pot life of a water mix: up to 2 h

TECHNICAL PARAMETERS:

- Mixing ratio (water per bag): approx. 5,25-5,5 l per 25 kg
- Consumption (dry mix): 3,5-5,5 kg/m²
- Consumption (in the reinforced layer): 4,0-5,5 kg/m²
- Reinforcing layer thickness: 3-5 mm
- Temperature of application: +5°C to +25°C
- Maturing time: 5 min
- Drying time: 1-3 days
- Complete setting time: 28 days
- Adhesion acc. ETAG 004: to EPS boards:
 - between layers after ageing: $\geq 0,08$

| Product name | Content | Packaging | Pieces per pallet | Colours |
|--------------------------------------|---------|-----------|-------------------|---------|
| IS21 Adhesive & Reinforcement Mortar | 25 kg | Bag | 48 | Grey |

IS22 Fibre-Reinforced Mortar



Fibre-Reinforced Mortar is designed to bond EPS (expanded polystyrene) and mineral wool boards and form reinforcing layers in Tytan Insulation System on perimeter walls of buildings, as well as to patch and smooth down the substrate for thin-coat decorative plasters.

BENEFITS:

- Reinforced with fibres – unique FiberGel combination
- High adhesion to mineral substrates, EPS and mineral wool boards
- Resistant to extreme mechanical loads and thermal stresses
- Highly impact resistant
- Flexible and durable
- Vapour permeable
- Resistant to scratches and cracks
- Resistant to weather conditions
- External and internal walls
- Pot life of a water mix: up to 2 h
- Frost resistant when set

TECHNICAL PARAMETERS:

- Mixing ratio (water per bag): approx. 5,5 - 7,5 l per 25 kg
- Approximate consumption: 3-6 kg/m²
- Reinforcing layer thickness: 3-5 mm
- Temperature of application: +5°C to +35°C
- Maturing time: 5 min
- Drying time: 1-3 days
- Complete setting time: 28 days
- Adhesion acc. ETAG 004: to the insulating material boards:
 - after ageing: $\geq 0,08$



| Product name | Content | Packaging | Pieces per pallet | Colours |
|------------------------------|---------|-----------|-------------------|---------|
| IS22 Fibre Reinforced Mortar | 25 kg | Bag | 48 | Grey |

IS23 Special Adhesive for Mesh



Adhesive and Reinforced Render is designed to bond EPS and mineral wool boards and to form reinforcing layers in Tytan Insulation System. It is suitable for both new buildings and also the buildings to be thermo-renovated with ETICS. If used with reinforcing mesh, the mortar provides a perfect solution for renovation of old plasterwork and for fixing damaged or cracked existing insulation systems.

BENEFITS:

- Based on white cement
- Reinforced with FiberGel technology - unique fibre combination
- High adhesion to mineral substrates, EPS and mineral wool boards
- Resistant to extreme mechanical loads and thermal stresses
- Highly impact resistant
- Flexible and durable
- Vapour permeable
- Resistant to scratches and cracks
- Resistant to weather conditions
- External and internal walls
- Frost resistant
- Pot life of a water mix: up to 2 h

TECHNICAL PARAMETERS:

- Mixing ratio (water per bag): 5,5 l - 7,5 l per 25 kg
- Consumption (dry mix): 3,5-5,5 kg/m²
- Consumption (in the reinforced layer): 4,0-5,5 kg/m²
- Reinforcing layer thickness: 3-5 mm
- Temperature of application: +5°C to +35°C
- Maturing time: 5 min
- Drying time: 1-3 days
- Complete setting time: 28 days
- Adhesion acc. ETAG 004: to the insulating material boards between layers after ageing: ≥0,08

| Product name | Content | Packaging | Pieces per pallet | Colours |
|--------------------------------|---------|-----------|-------------------|---------|
| IS23 Special Adhesive for Mesh | 25 kg | Bag | 48 | White |

Multigrunt

Primer



Multigrunt is a concentrated primer based on two types of acrylic dispersion that strengthen the substrate, leveling the absorbency and increasing the adhesion of screeds, adhesives, plasters, and interior and exterior paints. It penetrates the substrate, strengthens the surfaces, binds the loose particles and limits the water absorption of the substrate.

APPLICATIONS:

- Cement substrate, gypsum, anhydrite, plasterboard, autoclaved aerated concrete blocks, cement plasters, cement-lime plasters, gypsum plasters

BENEFITS:

- Concentrated
- Increases adhesion
- Strengthens substrate
- For internal and external use
- For adhesives, plasters, paints and floor levelling

TECHNICAL PARAMETERS:

- Application temperature (substrate, air, materials): +5°C to +30°C
- Consumption without dilution: approx. 0,2 l per 1 m²/l depending on the evenness and absorption of substrate
- Drying time: approx. 3 h
- Drying time before continuing work: 6 h after priming

| Product name | Content | Packaging | Pieces per pallet | Colours |
|-----------------------|---------|-----------|-------------------|-------------|
| Multigrunt Primer S01 | 5 l | Canister | 108 | Transparent |



IS41 Universal Plaster Primer

Plaster Primer is intended for final preparation of the surface before the application of acrylic, colloidal silicate, silicone, hybrid, mineral and mosaic plasters for Tytan Insulation Systems based on the EPS or mineral wool boards. It prevents contamination from being transferred from undercoat to plaster and consequently it prevents stains. The fine aggregates make the primed surfaces rough and scratch resistant.



BENEFITS:

- Strengthens the substrate
- Reduces the absorption of the substrate
- Improves the adhesion
- Makes easy the application of plasters
- Ready to use

TECHNICAL PARAMETERS:

- Temperature of application (of the substrate, air, materials): +5°C to +25°C
- Yield: 0,20-0,25 l/m² depending on the evenness and absorption of the substrate
- Drying time: ca. 6 h
- Application of plaster: after 24 h from priming
- Colour: white or matched to the colour of plaster
- Coverage of 10 l container: 40-50 m²

| Product name | Content | Packaging | Pieces per pallet |
|-------------------------------|---------|-----------|-------------------|
| IS41 Universal Plaster Primer | 5 l | Bucket | 100 |
| | 10 l | Bucket | 33 |

IS51 / IS51N Acrylic Facade Plaster

Acrylic Plaster is intended for primary and renovating insulating of all seasoned mineral substrates for Tytan Insulation Systems based on the EPS boards. The plaster is used in manual and spray application with a spray gun which makes work much easier and faster.



BENEFITS:

- Flexible and durable
- User friendly – easy-to-use (manual, spray applied)
- Myko secure – resistant to biological corrosion (fungi and algae)
- Colour safe – ready-to-use in thousands of colours
- Low consumption
- Resistant to weather conditions
- Based on acrylic dispersion

TECHNICAL PARAMETERS:

- Temperature of application (surface, air, materials): +5°C to +25°C
- Adhesion: ≥0,3 MPa
- Vapour permeability, grade: V2
- Water absorption, grade: W2
- Consumption: 2,1-4,0 kg/m²
- Volume density: 1,85 g/cm³
- Shelf-life: 12 months
- Drying time: ca. 12-24 h depending on weather conditions
- Colour: available in full range of Tytan Colour Collection or provided pattern
- EN 15824 and ETA-16/0161, ETA-16/0166

| Product name | Content | Packaging | Pieces per pallet |
|-------------------------------------|---------|-----------|-------------------|
| IS51 / IS51N Acrylic Facade Plaster | 25 kg | Bucket | 24 |

IS52/IS52N Colloidal Silicate Plaster

Colloidal Silicate Plaster with mineral fillers and aggregates. When fully cured, it creates a vapor-permeable, elastic and weather-resistant coat.

APPLICATIONS:

- For structural exterior and interior plasters
- Finishing layer in Tytan Insulation Systems
- Creates a protective and decorative coating

BENEFITS:

- Breathable – high vapour permeable
- pH = 8,0–9,0
- NANOTECHNOLOGY
- User friendly – easy-to-use (manual, spray applied)
- Resistant to biological corrosion (fungi and algae)
- Colour safe – ready-to-use in thousands of colours
- Low consumption
- Resistant to weather conditions
- Excellent covering-up properties
- Based on colloidal silicate dispersion

TECHNICAL PARAMETERS:

- Temperature of application (surface, air, materials): +7°C to +25°C
- Adhesion: $\geq 0,3$ MPa
- Vapour permeability, grade: V2
- Water absorption, class: W3
- Consumption: 2,1–4,0 kg/m²
- Volume density: 1,85 kg/dm³
- Shelf-life: 24 months
- Drying time: ca. 12–24 h depending on weather conditions
- Colour: available in full range of Tytan Colour Collection or provided pattern



| Product name | Content | Packaging | Pieces per pallet |
|--|---------|-----------|-------------------|
| IS52 Colloidal Silicate Plaster | 25 kg | Bucket | 24 |
| IS52N Colloidal Silicate Plaster (Spray-applied) | 25 kg | Bucket | 24 |

IS53 / IS53N Silicone Facade Plaster

Plaster based on silicone dispersion with high quality fillers and pigments which cause pearl like effect of water after wetting the coat. The structure of the coating ensures fast moisture evaporation from the substrate and at the same time creates efficient protection against the substrate moisture and humidity.

APPLICATIONS:

- Silicone Plaster is intended for coating exterior and internal substrates. It can be used as a finishing layer in Tytan Insulation Systems. Creates a protective and decorative coating

BENEFITS:

- Self-cleaning – resistant to dirt
- Hydrophobic – low absorbability
- User friendly – easy-to-use (manual, spray applied)
- Resistant to biological corrosion (fungi and algae)
- Colour safe – ready-to-use in thousands of colours
- Low consumption
- Resistant to UV and weather conditions (rain, sunshine, frost, wind)
- Excellent covering-up properties
- Based on silicone dispersion

TECHNICAL PARAMETERS:

- Temperature of application (surface, air, materials): +7°C to +25°C
- Adhesion: $\geq 0,3$ MPa
- Vapour permeability, grade: V1
- Water absorption, grade: W2
- Consumption: 2,1–4,0 kg/m²
- Volume density: 1,85 kg/dm³
- Shelf-life: 24 months
- Drying time: ca. 12–24 h depending on weather conditions
- Colour: available in full range of Tytan Colour Collection or provided pattern
- EN 15824 and ETA-16/0161, ETA-16/0166



| Product name | Content | Packaging | Pieces per pallet |
|--------------------------------------|---------|-----------|-------------------|
| IS53 / IS53N Silicone Facade Plaster | 25 kg | Bucket | 24 |



IS54 Mineral Plaster



Mineral Plaster is intended for coating exterior and internal substrates. It can be used as a finishing layer in Tytan Insulation Systems. Creates a protective and decorative coating.

BENEFITS:

- Natural
- Flexible and durable
- Breathable – highly vapour permeable
- User friendly – easy-to-use
- High adhesion to mineral substrates and thermal insulation
- Increasing endurance and adhesion with time
- Resistant to weather conditions (rain, sunshine, frost, wind)
- External and internal walls

TECHNICAL PARAMETERS:

- Mixing ratio (water per bag): approx. 5,5 l per 25 kg
- Temperature of application: +5°C to +25°C
- Maturing time: 5 min
- Pot life of a water mix: up to 1,5 h
- Drying time: 1–3 days
- Complete setting time: 28 days
- Shelf-life: 12 months
- ETA-16/0161, ETA-16/0166, ITB KOT-2018/0619 wydanie 1

| Approximate yield | Stone texture (kg/m ²) | Rustic texture (kg/m ²) |
|-------------------|------------------------------------|-------------------------------------|
| 1,5 mm | 2,5 | |
| 2,0 mm | 3,0 | 3,0 |

| Product name | Content | Packaging | Pieces per pallet |
|----------------------|---------|-----------|-------------------|
| IS54 Mineral Plaster | 25 kg | Bag | 48 |

IS55 / IS55N SISI Hybrid Facade Plaster



SISI Hybrid plaster based on silicate-silicone dispersion with high quality fillers and pigments which cause pearl like effect of water after wetting. When fully cured it creates a vapor-permeable, elastic and weather-resistant coating. The structure of the coating ensures fast moisture evaporation from the substrate and at the same time creates efficient protection against the substrate moisture and humidity.

APPLICATIONS:

- SISI Hybrid plaster is intended for coating exterior and internal substrates. It can be used as a finishing layer in Tytan Insulation Systems. Creates a protective and decorative coating

BENEFITS:

- Breathable – vapour permeable
- Hydrophobic
- User friendly – easy-to-use (manual, spray applied)
- Resistant to biological corrosion
- Colour safe – ready-to-use in thousands of colours
- Low consumption
- Resistant to weather conditions
- Homogenous structure – excellent covering-up properties
- Based on silicate-silicone dispersion

TECHNICAL PARAMETERS:

- Temperature of application (surface, air, materials): +7°C to +25°C
- Adhesion: ≥0,3 MPa
- Vapour permeability, grade: V2
- Water absorption, grade: W2
- Consumption: 2,1-4,0 kg/m²
- Volume density: 1,85 kg/dm³
- Shelf-life: 12 months
- Drying time: ca. 12-24 h depending on weather conditions
- Colour: available in full range of Tytan Colour Collection or provided pattern
- EN 15824 and ETA-16/0161, ETA-16/0166

| Product name | Content | Packaging | Pieces per pallet |
|---|---------|-----------|-------------------|
| IS55 / IS55N SISI Hybrid Facade Plaster | 25 kg | Bucket | 24 |

IS56 / IS56N Mosaic Plaster

Mosaic Plaster is a mixture of colored aggregates and transparent binder. When fully cured, it creates a flexible, weather-resistant coating. Available in two colours and granules in accordance with the colour chart. Creates a protective and decorative coating.



APPLICATIONS:

- Recommended to be applied to the exposed to abrasion walls inside the buildings, e.g. at the entrance, corridors, staircases as well as outside the buildings: on the pedestals, railings, door and window frames.
- Can be used as final layer in Tytan Insulation Systems

BENEFITS:

- Impact resistant
- Resistant to abrasion
- Low water absorption (pearl effect)
- Flexible and durable
- Easy to clean – resistant to washing
- User friendly – easy-to-use (manual, spray applied)
- Resistant to biological corrosion (fungi and algae)
- Colour safe – ready-to-use in thousands of colours
- Resistant to weather conditions

TECHNICAL PARAMETERS:

- Temperature of application (surface, air, materials): +5°C to +25°C
- Drying time: ca. 24–72 h depending on weather conditions
- Colour: available in full range of Tytan Colour Collection or provided pattern
- EN 15824 and ETA-16/0161, ETA-16/0166

| Product name | Approximate yield | min (kg/m ²) | ca. (kg/m ²) | max (kg/m ²) |
|--------------|-------------------|--------------------------|--------------------------|--------------------------|
| IS56 | 1,0 mm | 1,7–2,0 | 2,25–2,5 | 2,8–3,0 |
| | 1,5 mm | 3,0 | 4,0 | 5,0 |
| IS56N | Spray-applied | 2,0 | 2,5 | 3,0 |

| Product name | Content | Packaging | Pieces per pallet |
|-----------------------------|---------|-----------|-------------------|
| IS56 / IS56N Mosaic Plaster | 15 kg | Bucket | 33 |

Architectural Concrete

Architectural concrete created based on acrylic dispersion, mineral fillers, and aggregates. Special additives make the product ductile and easy to apply. Therefore, it is suitable for applying various decorative textures and exceptional effects. After full curing, it forms a flexible layer, resistant to damage and adverse weather conditions. Product addressed to both individual and commercial constructions.



APPLICATIONS:

- Recommended for outdoor use as a decorative layer in thermal insulation systems (ETICS)
- It can be laid on all seasoned, even, and load-bearing construction subfloors as a decorative layer as part of TYTAN insulation systems
- Used to form other creative textures imitating, e.g. marble, travertine, Venetian plaster, brick

BENEFITS:

- Easy application - product plasticity helps in structuring the concrete
- Resistance to mechanical damage and microcracks, UV radiation and adverse weather conditions
- Resistant to biological corrosion
- Low water absorption – protection against moisture
- Durability – the effect of concrete for many years

TECHNICAL PARAMETERS:

- Product available in four shades of gray - coloured in mass
- Application temperature (product, substrate, ambient): from +5°C to +25°C
- Density: 1,8 kg/m³
- Drying time: 24 - 72 hours
- Average consumption: 2-3 kg/1m²
- ETA-16/0161, ETA-16/0166

| Product name | Content | Packaging | Pieces per pallet |
|------------------------------------|---------|-----------|-------------------|
| Ashen, Light Grey, Grey, Dark Grey | 25 kg | Bucket | 24 |



Wood effect system



Wood Effect Plaster created based on white cement, mineral fillers, and aggregate. Product plasticity and its working time were designed to support decorative works on facades, especially effects imitating wood. Special additives make the plaster easier to apply. When fully cured, it creates a breathable, strong, and durable coating that can be stained to achieve the expected colour of the wood.

APPLICATIONS:

- For exterior and interior structural plaster effects
- Applied on all seasoned, even, and load-bearing construction surfaces
- Finishing layer in TYTAN ETICS EPS and TYTAN ETICS MW thermal insulation systems
- Creates a protective and decorative surface coat for modelling the structure of natural wood

BENEFITS:

- High plasticity and prolonged open time of the product supports in structuring the wood effect
- Resistance to mechanical damage and microcracks
- Resistant to biological corrosion
- Good protection against moisture
- To be staining for a more natural wood effect

TECHNICAL PARAMETERS:

- Colour - white
- Mixing ratio (water per bag): 5,25÷5,5 l per 25 kg
- Adhesion: $\geq 0,3$ MPa
- Vapour permeability, grade: V1
- Water absorption, grade: W2
- Consumption: 2,2-4,2 kg/m²
- Painting: after 3 days
- Shelf-life: 12 months
- Temperature of application: from +5°C to +25°C
- Maturing time: 5 min
- Pot life of a water mix: up to 2h
- Drying time: 1-3 days
- Complete setting time: 28 days

| Product name | Content | Packaging | Pieces per pallet |
|---------------------|---------|-----------|-------------------|
| Wood Effect Plaster | 25 kg | Bag | 48 |

Varnish for Decorative Plasters



Varnish for decorative plasters creates a flexible and transparent coating resistant to adverse weather conditions and water. The product reinforces and seals old mosaic plaster coatings. The painted surface achieves an aesthetic look and its life is extended.

APPLICATIONS:

- For the maintenance of mosaic plasters based on colored quartz and marble
- Used on facades and other elements outside and inside.
- For renovation of mosaic plasters

BENEFITS:

- Reinforces and seals the facade to improve the appearance of the plasterboard
- For adverse atmospheric conditions
- Inside and outside
- Acrylic dispersion base

TECHNICAL PARAMETERS:

- Application temperature (substrate, air, materials): +5°C to +25°C
- Drying time: approx. 24 h
– depending on weather conditions
- 1-layer paint consumption: 0,15–0,2 l/m²
- by testing the object after drying: transparent
- Yield from a 10 l container with 1 layer: 50–66 m²

* Depending on the substrate equality and absorption

| Product name | Content | Packaging | Pieces per pallet |
|---------------------------------|---------|-----------|-------------------|
| Varnish for decorative plasters | 10 l | Bucket | 33 |

Fibreglass Mesh IS165A



The mesh is used as a reinforcement element in the external insulation systems rendered in compliance with the European Technical Assessment (ETA) or with the ITB Technical Approval.

TECHNICAL PARAMETERS:

- High basis weight: 165 g/m²
- Latex coating impregnation
- Durable and elastic
- Contains hydrophobic additive

| Product name | Packaging | Pieces per pallet |
|------------------------|-------------------|-------------------|
| Fibreglass Mesh IS165A | 50 m ² | 33 |

Fibreglass Mesh IS145



Highly flexible mesh used as reinforcement material in thermal insulation system of external walls of buildings.

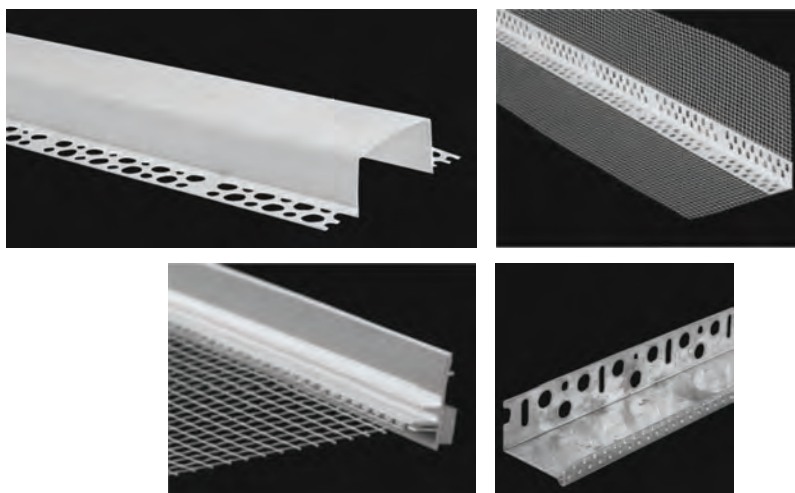
TECHNICAL PARAMETERS:

- Basis weight: 145 g/m²
- Durable and elastic

| Product name | Packaging | Pieces per pallet |
|-----------------------|-------------------|-------------------|
| Fibreglass Mesh IS145 | 50 m ² | 33 |

Facade Profiles

Tytan Professional offers a wide range of profiles for connections, trim and joints on facades resolving all types of connections between different materials on ETICS system. Tytan profiles can be used for the following areas of application: corner and base beads, trim elements for changes in insulation depth, edge profiles and expansion joints, crimped profiles, profiles for dry-mounted construction, partition corners and special profiles.





IS71 Facade Acrylic Paint

Facade Acrylic Paint is an exterior paint based on acrylic dispersion with the addition of high quality fillers and pigments. It is resistant to weather conditions like: rain, sunshine, frost, and wind. Topcoat is matt, smooth, without cracks. Can be applied manually or by spray.



APPLICATIONS:

- The exterior Acrylic Paint is intended for primary and renovating painting of all seasoned mineral substrates: cement plasters, lime-and-cement plasters, mineral and acrylic plasters, concrete, as well as for Tytan Insulation Systems based on the EPS boards
- Painting of mineral substrates
- Restauration of silicone plasters
- Finishin layer in Tytan Insulation System

BENEFITS:

- Flexible and durable
- Resistant to weather conditions
- Myko secure – resistant to biological corrosion (fungi and algae)
- Colour safe
- Wide range of colours
- Excellent covering-up properties
- Based on acrylic dispersion

TECHNICAL PARAMETERS:

- Application temperature (ground, air, materials): +5°C to +25°C
- Volume density: 1,55 kg/dm³
- Drying time: ca. 3–6 h depending on weather conditions
- Coverage rate in one layer: ca. 7–8 m²*
- Coverage rate in two layers: from 4–5 m²*
- Colour: available in full range of Tytan Colour Collection or provided pattern
- Shelf-life: 18 months
- Gloss Grade: matte
- Parameters for spraying with Airless type equipment:
 - pressure: 200 bar
 - spraying angle: 50°
 - nozzle size: 0,017–0,021 inch
 - filter: 60 mesh

* Accurate consumption should be determined after tests on actual object.
Assumed consumption: depending on the smoothness and absorption of the substrate, on average approx. 0,2 l/m² with two coats

| Product name | Product | Packaging | Pieces per pallet |
|---------------------------|----------------|-----------|-------------------|
| Facade Acrylic Paint IS71 | Manual / Spray | 10 l | 33 |

IS72 Facade Colloidal Silicate Paint

The Facade Colloidal Silicate Paint is based on colloidal silicate dispersion with high quality fillers and pigments. Special additives that cause so-called photocatalysis effect enable the process whereby the coat cleans itself from the adhering grease.



APPLICATIONS:

- Painting of mineral substrates
- Restauration of silicone plasters
- Finishin layer in Tytan Insulation System

BENEFITS:

- Breathable – high vapour permeable
- Self-cleaning with photocatalysis effect
- pH = 8,0–9,0
- Resistant to weather conditions
- Resistant to biological corrosion (fungi and algae)
- Colour safe
- Wide range of colours
- Excellent covering-up properties
- Based on colloidal silicate dispersion

TECHNICAL PARAMETERS:

- Application temperature (ground, air, materials): +5°C to +25°C
- Drying time: ca. 3–6 h depending on weather conditions
- Coverage rate in one layer: ca. 7–8 m²*
- Coverage rate in two layers: from 4–5 m²*
- Colour: available in full range of Tytan Colour Collection or provided pattern
- Parameters for spraying with Airless type equipment:
 - pressure: 200 bar
 - spraying angle: 50°
 - nozzle size: 0,017–0,021 inch
 - filter: 60 mesh

* Accurate consumption should be determined after tests on actual object.
Assumed consumption: depending on the smoothness and absorption of the substrate, on average approx. 0,2 l/m² with two coats

| Product name | Product | Packaging | Pieces per pallet |
|--------------------------------------|----------------|-----------|-------------------|
| Facade Colloidal Silicate Paint IS72 | Manual / Spray | 10 l | 33 |

IS73 Facade Silicone Paint

The Facade Silicone Paint is based on silicone dispersion with high quality fillers and pigments which cause pearl like effect of water after wetting. The structure of the coating ensures fast moisture evaporation from the substrate and at the same time creates efficient protection for the substrate against the moisture and humidity.

APPLICATIONS:

- Painting of mineral substrates
- Restauration of silicone plasters
- Finishin layer in Tytan Insulation System

BENEFITS:

- Self-cleaning – resistant to dirt
- Photocatalysis effect
- Hydrophobic – low absorbability
- Highly durable – resistant to exploitation damages and cleaning
- Vapour permeable
- Resistant to UV and weather conditions
- Myko secure – resistant to biological corrosion (fungi and algae)
- Colour safe
- Wide range of colours
- Excellent covering-up properties
- Based on silicone dispersion

TECHNICAL PARAMETERS:

- Application temperature (ground, air, materials): +5°C to +25°C
- Volume density: 1,55 kg/dm³
- Drying time: ca. 3–6 h depending on weather conditions
- Coverage rate in one layer: ca. 7–8 m²*
- Coverage rate in two layers: from 4–5 m²*
- Colour: available in full range of Tytan Colour Collection or provided pattern
- Shelf-life: 18 months
- Gloss Grade: matte
- Parameters for spraying with Airless type equipment:
 - pressure: 200 bar
 - spraying angle: 50°
 - nozzle size: 0,017–0,021 inch
 - filter: 60 mesh
 - ETA-16/0161, ETA-16/0166

* Accurate consumption should be determined after tests on actual object
Assumed consumption: depending on the smoothness and absorption of the substrate, on average approx. 0,2 l/m² with two coats



| Product name | Product | Packaging | Pieces per pallet |
|----------------------------|----------------|-----------|-------------------|
| Facade Silicone Paint IS73 | Manual / Spray | 10 l | 33 |

IS74 Facade Silicate Paint

The Facade Silicate Paint is intended for covering mineral substrates: cement plasters, lime-and-cement plasters, mineral and silicate plasters, concrete, as well as finishing layer for Tytan Insulation Systems based on the EPS or mineral wool boards. The paint is permanently bound with the substrate as a result of chemical reactions.

BENEFITS:

- Breathable – highest vapour permeable
- Durable
- Resistant to weather conditions
- High alkalinity (high pH) - natural resistance to algae, mold and moss fouling
- Colour safe
- Excellent covering-up properties
- Based on silicate dispersion

APPLICATIONS:

- Painting of mineral substrates
- Restauration of silicone plasters
- Finishin layer in Tytan Insulation System

TECHNICAL PARAMETERS:

- Application temperature (ground, air, materials): +5°C to +25°C
- Volume density: 1,45 kg/dm³
- Drying time: ca. 3–6 h depending on weather conditions
- Coverage rate in one layer: ca. 7–8 m²*
- Coverage rate in two layers: from 4–5 m²*
- Colour: available in full range of Tytan Colour Collection or provided pattern
- Shelf-life: 12 months
- Parameters for spraying with Airless type equipment:
 - pressure: 200 bar
 - spraying angle: 50°
 - nozzle size: 0,017–0,021 inch
 - filter: 60 mesh
 - ETA-16/0161, ETA-16/0166

* Accurate consumption should be determined after tests on actual object
Assumed consumption: depending on the smoothness and absorption of the substrate, on average approx. 0,2 l/m² with two coats



| Product name | Product | Packaging | Pieces per pallet |
|----------------------------|----------------|-----------|-------------------|
| Facade Silicate Paint IS74 | Manual / Spray | 10 l | 33 |



Winter Additive for Plaster & Paint

Winter additive to Tytan paints and plasters enables to carry on insulation works at low temperatures: 0°C to +10°C and at high air humidity (up to 80%).



APPLICATION:

- Can be added to Acrylic, Colloidal Silicate, Hybrid SISI and Silicone thin-layer dispersion plasters of the Tytan Professional brand
- Can be added to Facade acrylic, colloidal silicate and silicone paints of the Tytan Professional brand

BENEFITS:

- Speeds up the process of plaster and paint bonding
- Protects coating against low temperature (from 0°C)
- Does not alter the colour of the finish coat

TECHNICAL PARAMETERS:

- Colour: milky-white
- Temperature of application (of substrate, air, materials): 0°C - +10°C
- Yield: max. 1 bottle (0,25 l) per a 25kg bucket of plaster and up to 0,15 kg (3/5 of the contents of the bottle) per 10 l bucket of the facade paint
- Relative density: approx. 0,88 g/cm³
- Shelf-life: 24 months

| Product name | Content | Packaging | Pieces per pallet |
|-------------------------------------|------------------|-----------------------------|-------------------|
| Winter Additive for Plaster & Paint | 250 ml (0.25 kg) | Plastic bottle with red cap | 12 |

Summer Additive for Plasters

Summer Additive for Plasters allows to carry out plastering works on facades using TYTAN PROFESSIONAL plasters, in conditions of elevated substrate temperatures: from +25°C to +35°C and air humidity below 60%.



APPLICATION:

- Can be added to Acrylic Colloidal silicate Hybrid SISI and Silicone thin-layer dispersion plasters of the TYTAN PROFESSIONAL brand

BENEFITS:

- Slows down the process of setting and drying of the coating
- Allows to carry out plastering works up to + 35°C
- Improves application properties of plasters
- Reduces the tendency to create the so-called craters ("holes") in the drying process
- Does not alter the colour of the finish coat

TECHNICAL PARAMETERS:

- Colour: milky-white
- Temperature of application (of substrate, air, materials): +25°C - +35°C
- Yield: max. 1 bottle (250 ml) per a 25kg bucket of plaster
- Relative density: approx. 0,98 g/cm³
- Viscosity: approx. 1000 mPa·s
- Shelf-life: 6 months

| Product name | Content | Packaging | Pieces per pallet |
|------------------------------|------------------|--------------------------------|-------------------|
| Summer Additive for plasters | 250 ml (0.25 kg) | Plastic bottle with yellow cap | 12 |



Facade Acrylic

A flexible sealant used for sealing, pointing joints and filling gaps in walls and facades covered with structural plaster. Designed for both interior and exterior use.



APPLICATIONS:

- Pointing joints between construction elements covered with structural plaster
- Filling gaps, cracks and joints in facades, walls and ceilings before painting
- Pointing joints between the wall and skirting boards, stairs, ceiling, and around electrical sockets
- Pointing joints in construction elements exposed to low tensions

TECHNICAL PARAMETERS:

- Colour: white
- Curing rate: 1,0 mm/ 24 h (+23°C, 50% RH)
- Working time: 10–15 min
- Application temperature: from +5°C to +40°C
- Temperature resistance after curing: -20°C to +80°C

BENEFITS:

- Texture of structural plaster
- Excellent adhesion
- Flexible
- Paintable
- Resistant to UV-radiation and changing weather conditions

| Product name | Content | Packaging | Pieces per box | Pieces per pallet | Colours |
|----------------|---------|-----------|----------------|-------------------|---------|
| Facade Acrylic | 280 ml | Cartridge | 12 | 1 440 | White |

Decorative Template



Decorative template than can be used to create brick and stone pattern on facades and walls. The product should be used together with Tytan plasters.

BENEFITS:

- Easy-to-use
- Self-adhesive

| Product | Packaging | Quantity per box |
|----------------|-----------|------------------|
| Brick Template | Box | 50 |
| Stone Template | Box | 50 |



FACADE SEALING, BONDING & ANCHORING



- 157 MS FIX Panel Panel Bonding System
- 157 Primer C-29 Panel Bonding System
- 157 Panel Fixing Tape Panel Bonding System
- 158 MS 20 Hybrid Sealant
- 158 MS 35 Hybrid Sealant
- 159 N-16 Neutral Silicone
- 159 C-15 PU Primer
- 159 Back Up Rod
- 160 C-27 Primer
- 160 C-29 Primer
- 161 EV I Chemical Anchor - Polyester Styrene Free
- 161 EV II Chemical Anchor - Vinylester Styrene Free
- 162 EV W Chemical Anchor - Winter Styrene Free
- 162 EV IV Chemical Anchor
- 163 Chemical Anchor Gun
- 163 Manual Gun 600 ml
- 163 Vector

FACADE SEALING, BONDING & ANCHORING

A facade can be built in many different technologies. Most common technologies are ETICS and Ventilated Facade.

In addition to the aesthetic function of the facade envelope, it also protects the building from external environment influences such as temperature changes, sounds, wind and water.

Selena's sealing, bonding and anchoring technologies have been developed to satisfy diverse needs present in the construction market.

Current solutions include sealants, adhesives and chemical anchors.



Sealants for Construction Joints

The range of sealants offered by Selena, is composed of different chemical bases and parameters dedicated for interior and exterior construction joints in commercial and residential buildings. They were designed for several different types of substrates such as: concrete, glass, steel and aluminium. The right joint preparation is crucial for protection of the construction against water penetration and cracks.

When choosing a sealant, there are several properties that need to be taken into consideration, for example: movement tolerance, substrate compatibility, resistance to: weather, temperature and abrasion and finally the paintability and impact on the substrate.

Below are the most common kinds of sealants and their general characteristics.

Acrylics

Acrylic sealants are highly paintable and have a texture that can easily blend with the substrate. They are usually recommended for porous materials in low movement-joints given their limited movement capacity and weather and abrasion resistance.

Silicones

Silicone sealants are used in a wide variety of building applications, for construction joints that are made of porous materials a Neutral Silicone is recommended, since an Acetic Silicone may stain the substrate. Silicone's main characteristics are high UV resistance, temperature resistance, highest movement capability and long service life. Silicone sealants can take considerably longer time to fully cure and are not paintable.

Polyurethane (PU) Sealants

Polyurethane sealants have high abrasion-resistance and they are paintable. They have excellent adhesion and good movement capability. Most common applications are vertical and horizontal dilatation gaps in pre cast constructions.

Hybrid Sealants

A newcomer based on modified polymer that combines the best in Silicones and Polyurethanes. High adhesion, can be painted and has good movement capability. Can be used in the same applications as Silicone and Polyurethane with the advantage of being solvent and isocyanate free.

| | Building Silicone (Neutral) | PU Sealant | Acrylic | MS Hybrid Sealants |
|-------------------------------|--|-------------------------|---------|--------------------|
| Paintability | Not paintable (can be colored in the production) | High | Highest | Highest |
| Movement Accommodation | Highest | High | Low | High |
| UV Resistance | Highest | Medium | Medium | High |
| Abrasion Resistance | High | Highest (High Shore PU) | Low | High |
| Chemical Resistance | High | High | Low | High |
| Substrate | All | All | Porous | All |

Chemical Anchors

Based on different technologies which guarantee a strong and permanent fixing in different substrates in a fast and safe way. The use of chemical anchors is a perfect solution for fixing heavy load elements and during the installation in weak substrates.

All chemical anchors in Selena portfolio hold the European Technical Approvals which testify that they can be safely introduced in your projects.

How to specify the right resin:

Polyester Resin Styrene Free

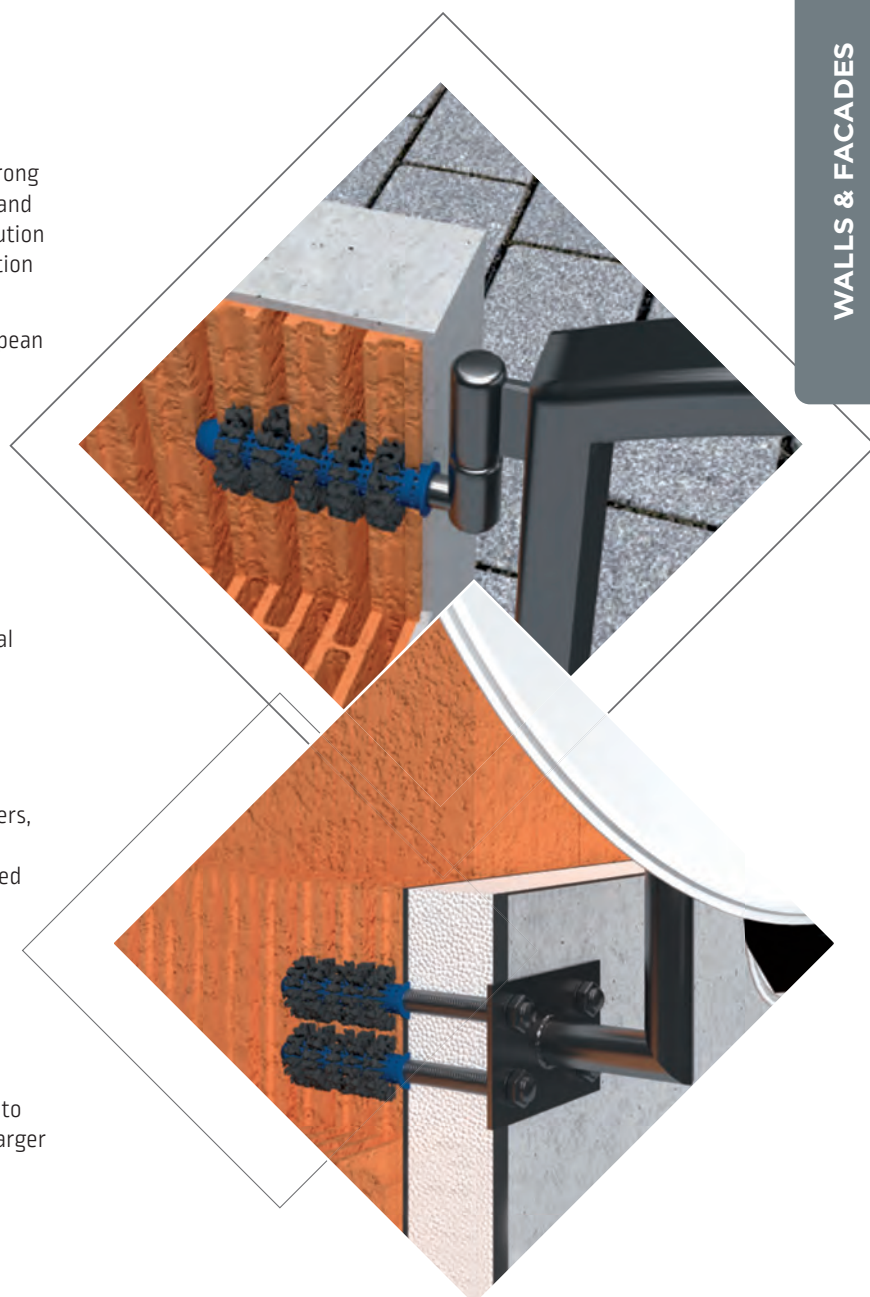
Ideal for masonry and hollow materials, for non-critical bonding

Vinylester Styrene Free

The vinylester resins are characterized by, among others, a very high chemical resistance, especially in alkaline medium and have good thermal properties. Can be used for heavy duty applications including in underwater structures.

Epoxy Styrene Free

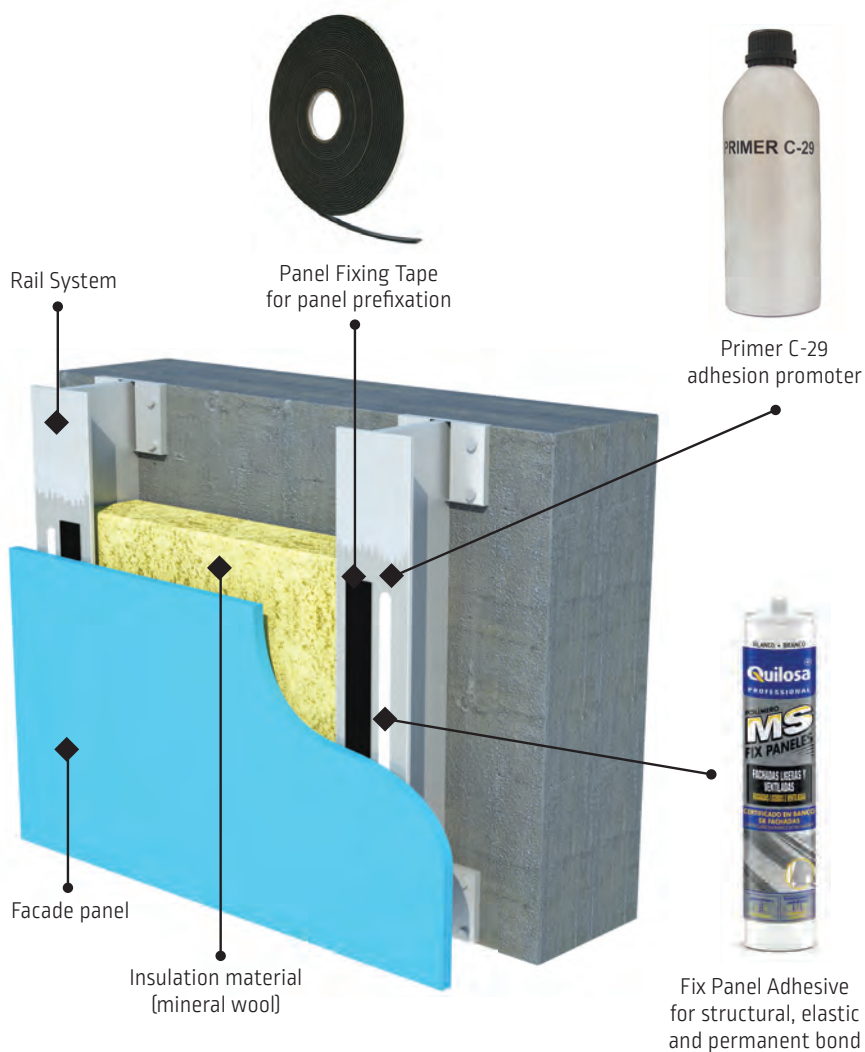
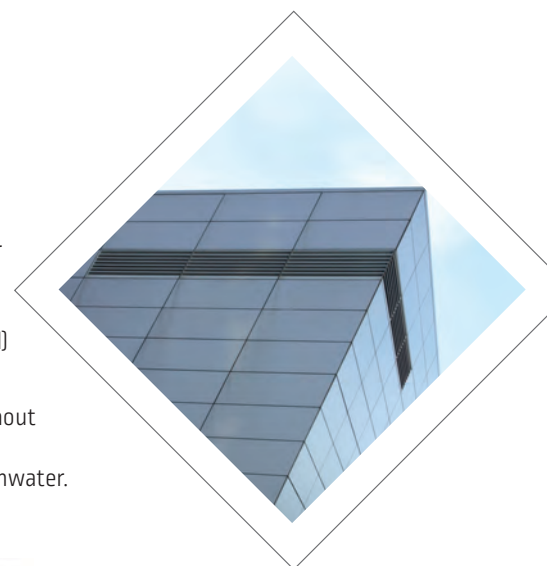
Epoxy resin has the highest mechanical and thermal properties and an exceptional resistance to chemicals. Can be used in diamond-drilled holes and larger gaps, including in underwater structures.



Panel Bonding System - a faster way of cladding

Wall cladding is a construction system used in ventilated facades in which the exterior of a building is covered with panels. The panels are installed in the facade by being fixed to a rail which is anchored to the structure of the building. The most common materials for Facade Cladding are panels made of ACM (Aluminium Composite Material) since it is a strong and lightweight material.

With Fix Panels system the panels can be fixed to the rail in an easy and firm way without the need for anchoring. The system was tested according to UNE EN 12865: 2002 and DRAFT ETAG 034 for resistance to pressure and wind suction and resistance to rainwater.



Fix Panels System guarantees:

- Fast panel fixation
- Movement and vibrations absorption
- Resistance to humidity and changes in temperature
- Flexibility of design (curves) not feasible with mechanical fixing
- Concealed fixing providing aesthetic satisfaction
- Reduction of mechanical stresses
- Minimal maintenance
- No isocyanates



Basic Steps:

- Cleaning panel and rails using the Primer C-29
- Installation of the Fix Panel double-sided tape on the track to maintain the panel in place while Fix Panel adhesive is curing
- Application of the Fix Panel Adhesive on the rails
- Panel gluing

MS FIX Panel

Panel Bonding System



Elastic adhesive based on MS polymer for the bonding of panels to light facades. High initial grab allows quick panel attachment. Absorbs movement and vibrations and reduces the mechanical stresses of the facade. It facilitates the assembly of the facades.

APPLICATIONS:

- Bonding of lightweight facade panels of different materials, composite, ceramic, wood or fiber cement
- Indoor and outdoor use

BENEFITS:

- Resistant to humidity and temperature changes
- Excellent adhesion on most panels used in ventilated facades

| Product name | Content | Packaging | Pieces per box | Colours |
|--------------|---------|-----------|----------------|---------|
| MS FIX Panel | 280 ml | Cartridge | 24 | White |
| | 600 ml | Foil | 12 | White |

Primer C-29

Panel Bonding System



Cleaning and pre-treatment of lightweight composite panels prior to the application of the adhesive. Provides the best conditions for panel fixing.

- Consult TDS for further information

| Product name | Content | Pieces per box | Colours |
|--------------|---------|----------------|-------------|
| Primer C-29 | 900 ml | 4 | Transparent |

Panel Fixing Tape

Panel Bonding System



PE double-sided tape for installation of lightweight facades in combination with the Fix Panel Adhesive. High resistance. Dedicated for delivering the initial tack of the panel until the adhesive reaches its maximum strength.

TECHNICAL PARAMETERS:

- Thickness: 3 mm
- Width: 12 mm

| Product name | Content | Pieces per box | Colours |
|-------------------|---------|----------------|---------|
| Panel Fixing Tape | 20 m | 30 | Black |



MS 20

Hybrid Sealant

Low Modulus Sealant based on MS polymer. Product has low module and high elasticity after curing. MS 20 is specially designed to seal expansion joints in facades.



APPLICATIONS:

- Sealing expansion joints in facades
- Filling gaps, joints, slots in concrete, wood, gypsum, masonry and other building materials
- Sealing skirting-boards, panels, plates made of synthetic materials, glaze, terracotta, elements made of synthetic materials, wood, metals, metal plates, for all types of surfaces in building such as brick, concrete, gypsum, plasters

BENEFITS:

- Low Modulus, class 25 LM
- High elasticity
- Phthalate free
- UV resistant
- Can be painted (possibility of painting even uncured sealant)
- Neutral, non-corrosive to metals and applicable on alkaline surfaces
- Can be applied indoor and outdoor
- 100% compatible with acrylic sealants

TECHNICAL PARAMETERS:

- Application temperature: +5°C to +50°C
- Modulus 100% (ISO 37): 0,5 MPa
- Skin formation time: 20–40 min
- Curing rate: 2–3 mm/ 24 h
- Tensile strength (ISO 37): 1 MPa
- Elongation at break (ISO 37): 300%
- Shore A hardness (ISO 868): 22–30
- Movement accommodation: 25%
- Temperature resistance after curing: -40°C to +90°C

| Product name | Content | Packaging | Pieces per box | Pieces per pallet | Colours |
|------------------------|---------|-----------|----------------|-------------------|---------|
| Low Modulus MS Sealant | 600 ml | Foil | 12 | 1 152 | Grey |

MS 35

Hybrid Sealant

Single-component medium modulus elastomeric sealant based on MS polymer. It cures at air temperature in contact with humidity.



APPLICATIONS:

- SEALING all kind of joints in construction:
 - Aluminium carpentry, PVC or wood
 - Floor joints
 - Gutters, bathrooms, tubes, skylights, cracks and fissures
 - Sealing of joints in immersion in irrigation channels. (Previous priming of concrete with Primer C-27)
 - Sealing in caravans and automotive
- BONDING:
 - Metal and plastic surfaces, insulation panels, chipboard or wood, roof tiles
 - Industrial bodywork, boats and caravans
 - Metal sheets

TECHNICAL PARAMETERS:

- Curing rate: 2,0–3,0 mm/ 24 h (+23°C, 50% RH)
- Thermal resistance: -40°C to + 90°C
- Working temperature: +5°C to +40°C
- Shrinkage (DIN 52451): 0
- Module at 100% elongation (ISO 37) 0,8-1,1 MPa
- Elongation at break (ISO 37): 450
- Shore A hardness (ISO 868) 40 +/- 3
- Colour: white, grey, black and brown

BENEFITS:

- Easy to apply from 5°C to +50°C
- Adheres without primer to virtually all modern construction materials
- Neutral. Non-corrosive to metals, and applicable on alkaline surfaces
- Does not stain the sides of the joint
- Remains flexible from -40°C to +90°C
- Paintable, excellent UV resistance
- Adheres on damp surfaces
- Anti-mold. It does not blacken

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|----------------------|---------|-----------|----------------|-------------------|
| MS 35 Hybrid Sealant | 310 ml | Cartridge | 12 | 1 140 |



N-16

Neutral Silicone

Neutral curing silicone special to seal expansion joints in facades. It has an excellent adhesion on most building materials, both porous and non porous: mortar, concrete, brick, wood, glass, tiles, steel, aluminium, etc.



APPLICATIONS:

- Sealing of joints in construction (static and expansion joint)
- Door and window sealing (anodized aluminum, lacquered aluminum, PVC and wood)
- Glazing Joints, glazing and windows installation with RAL colours and others
- Sealing PVC elements
- Due to its neutral reticulation and low modulus, it can be used for deformable and leakproofs joints between a wide range of materials with different dilation coefficients
- Its low modulus ensures minimal stress on joint sides when it expands or contracts
- Highest UV resistance
- AENOR N mark
- SNJF label: "Façades and Glazing", F, G 25 E. Colours: Translucent, white, white lacquer, grey and black. "Façades", F 25 E. Colours: Beige PRE and RAL 9002

TECHNICAL PARAMETERS:

- Colour: white, transparent, black, grey, brown
- Curing system: neutral
- Application temperature: +5°C - +50°C
- Temperature resistance: -50°C to +150°C
- Skin formation time: 30-45 min
- Curing rate: 1-2 mm/ 24 h (+23°C, 50% RH)
- Shore A hardness (ISO 868): 20
- Modulus 100% (ISO 37): 0,35-0,4 MPa
- Elongation at break (ISO 37): 500-600%
- Tensile strength (ISO 37): 0,7 MPa

BENEFITS:

- Neutral - does not damage sensitive surfaces
- Excellent resistance to mould and fungi
- High flexibility after curing
- Odourless

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--------------|---------|-----------|----------------|-------------------|
| N-16 | 280 ml | Cartridge | 12 | 1 440 |

C-15

PU Primer

Professional primer applied to improve the adhesion of polyurethane sealants to porous surfaces such as concrete, terrazzo, brick, wood. A thin layer of primer should be applied to the surface with a dry, clean brush prior to the application of sealant. In the case of very porous materials, two coats of C-15 PU Primer should be applied.



APPLICATIONS:

- Priming of structural expansion joints in concrete floors
- Priming joints in floors on terraces, balconies, as well as vertical expansion joints in balustrade walls
- Priming joints in wall fences made of concrete, brick, stone
- Consult TDS for further information

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|----------------|---------|------------------|----------------|-------------------|
| C-15 PU Primer | 1000 ml | Aluminium bottle | 4 | 800 |

Back Up Rod

A round rod made of closed-cell polyethylene foam, designed to fill expansion joints to help accommodate joint movement. It is perfect to seal the air flow and prevent heat loss. The Back Up Rod has a very good compatibility with other common building materials. Suitable for sealing damp joints.



APPLICATIONS:

- Filling expansion joints prior to sealant application

BENEFITS:

- Helps to accommodate joint expansion and contraction
- Reduces the risk of joint cracking
- Reduces sealant consumption
- Easy-to-install



C-27 Primer

Primer for silicone sealants and MS / Hybrid, for porous and some non-porous surfaces.



APPLICATIONS:

- POROUS materials (cement, brick, wood, etc.)
- NON-POROUS materials (some metals, plastics, etc.)
- PRIMER C-27 can also be used as a primer for rust protection over metal surfaces.
- Consult TDS for further information

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--------------|---------|------------------|----------------|-------------------|
| C-27 Primer | 950 ml | Aluminium bottle | 4 | 800 |

C-29 Primer

Primer to improve adhesion of silicones, MS/hybrid and polyurethane sealant on some plastics and metals



APPLICATIONS:

- PVC, polyacrylate and other plastics
- Stainless steel
- Consult TDS for further information

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--------------|---------|------------------|----------------|-------------------|
| C-29 Primer | 950 ml | Aluminium bottle | 4 | 800 |

EV I

Chemical Anchor – Polyester Styrene Free



A high performance, fast curing, two-component chemical anchoring system. Applied in one single action, this resin will produce a cost effective, strong, chemically resistant fixing.

APPLICATIONS:

- Anchoring in:
 - Hollow wall
 - Brickwork
 - Masonry and non-cracked concrete
 - Weak substrates where expandable dowels cannot be used

BENEFITS:

- Highly universal fixing resin
- Medium duty load applications
- Ideal for interior and exterior use
- Certified for non-cracked concrete and masonry

| Displacements under tension load | | | M8 | M10 | M12 | M16 |
|--------------------------------------|---------------|------|------|------|------|------|
| Temperature range a 7) : 40°C / 24°C | | | | | | |
| Admissible service load | F | [kN] | 9,0 | 10,4 | 13,2 | 16,1 |
| Displacement | δ_{No} | [mm] | 0,22 | 0,21 | 0,19 | 0,25 |
| Displacement | δ_{No} | [mm] | – | – | 0,29 | – |
| Temperature range b 7) : 80°C / 50°C | | | | | | |
| Admissible service load | F | [kN] | 6,8 | 7,5 | 9,2 | 12,1 |
| Displacement | δ_{No} | [mm] | 0,35 | 0,33 | 0,30 | 0,40 |
| Displacement | δ_{No} | [mm] | – | – | 0,38 | – |

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|-----------------------|---------|-----------|----------------|-------------------|
| EV IV Chemical Anchor | 165ml | Cartridge | 5 | 1 470 |
| | 165ml | Cartridge | 12 | 1 380 |
| | 300ml | Cartridge | 5 | 1 050 |
| | 300ml | Cartridge | 15 | 1 260 |
| | 380ml | Cartridge | 6 | 750 |
| | 380ml | Cartridge | 12 | 1 152 |

EV II

Chemical Anchor – Vinylester Styrene Free



A high performance, rapid curing two-component chemical anchoring system. Vinylester resin provides thermal and chemical resistance, combined with ease of use. Designed for very high loads and critical fixings especially in corrosive environments or damp conditions.

APPLICATIONS:

- For heavy duty and critical applications in masonry and concrete
- Anchoring in cracked and non-cracked concrete
- Hollow walls
- Critical fixings in corrosive environments
- Fixing in Damp Environments

BENEFITS:

- Heavy duty load applications
- Non-flammable and non-hazardous
- Suitable for wet or flooded holes
- Very high chemical resistance
- Very good thermal and mechanical properties
- European Technical Approval

| Size | Concrete, fck, cube = 25 N/mm ² (C20/25) 5,8 Grade Steel Studding | | | |
|------|---|-------------|-----------------------|-------------|
| | Characteristic Resistance (kN) | | Recommended Load (kN) | |
| | Tension (Nrk) | Shear (Vrk) | Tension (Nrk) | Shear (Vrk) |
| M8 | 19 | 9 | 9,1 | 5,1 |
| M10 | 30,2 | 15 | 14,4 | 8,6 |
| M12 | 43,8 | 21 | 20,9 | 12 |
| M16 | 67,8 | 39 | 32,3 | 22,3 |
| M20 | 104,6 | 61 | 49,9 | 34,9 |
| M24 | 133 | 88 | 63,3 | 50,3 |

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--|---------|-----------|----------------|-------------------|
| EV II Chemical Anchor – Vinylester Styrene Free | 300 ml | Cartridge | 5 | 1 050 |
| | 300 ml | Cartridge | 12 | 1 260 |
| | 380 ml | Cartridge | 6 | 750 |
| | 380 ml | Cartridge | 12 | 1 152 |



EV W

Chemical Anchor – Winter Styrene Free



A high performance, rapid curing two-component chemical anchoring system. Developed using a high reactivity resin, which enables it to be used at temperatures as low as -20°C. The resin has lower viscosity than standard resins which allows it to be extruded at low temperature.

APPLICATIONS:

- Anchoring in:
 - hollow wall
 - brickwork
 - masonry and non-cracked concrete
 - weak substrates where expandable dowels cannot be used

BENEFITS:

- Suitable for use at very low temperatures
- Can be extruded if both substrate and cartridge temperature is as low as -18°C
- Medium and heavy duty load applications in low temperatures
- High durability
- Can be used on wet substrates

| Size | Concrete, fck, cube = 25 N/mm ² [C20/25] 5,8 Grade Steel Studding | | | |
|------|---|-------------|-----------------------|-------------|
| | Characteristic Resistance (kN) | | Recommended Load (kN) | |
| | Tension (Nrk) | Shear (Vrk) | Tension (Nrk) | Shear (Vrk) |
| M8 | 19 | 12,70 | 9,07 | 160 |
| M10 | 30,2 | 20,10 | 14,36 | 200 |
| M12 | 43,8 | 23,96 | 17,11 | 240 |
| M16 | 81,6 | 34,70 | 24,78 | 320 |
| M20 | 127,4 | 53,41 | 38,15 | 400 |
| M24 | 183,6 | 68 | 48,57 | 480 |

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--|---------|-----------|----------------|-------------------|
| EV W Chemical Anchor – Winter Styrene Free | 300 ml | Cartridge | 5 | 1 050 |

EV IV

Chemical Anchor



High strength professional two-component seismic chemical anchor for use in different base materials. Epoxy resin provides thermal and chemical resistance, combined with ease of use. Seismic qualification according to European Guideline EOTA ETAG-001 Annex E-C2.

APPLICATIONS:

- Heavy building and industrial construction
- Underwater applications and flooded holes
- All kinds of curtain walls and different materials: steel, concrete (non-cracked and cracked), stone, solid brick, wood

BENEFITS:

- High seismic performance (certified according to annex E-C2)
- Non-flammable and non-hazardous
- High strength, strong bond, durability

TECHNICAL PARAMETERS*:

- Application temperature: -40°C to +40°C
(T⁰ max long period = 24°C)
and -40°C to +80°C
(T⁰ max long period = +50°C)
- Storage temperature: +5 °C to +30°C
- Open time at +25°C: 30 min
- Curing time at +25°C: 14 h
- Shelf life: 24 months
- Minimum product temperature or application: +5°C

* Setting conditions (depends on temperature)
Data regarding loads, efficiency, setting times and installation procedure in TDS.

| Product name | Content | Pieces per box | Pieces per pallet |
|-----------------------|---------|----------------|-------------------|
| EV IV Chemical Anchor | 470 ml | 12 | 780 |

Chemical Anchor Gun

Professional extruder for application of two-component products in 380 ml cartridges.



BENEFITS:

- Compact construction
- Very long life
- Can be used for application of dense, two-component materials in coaxial cartridges

TECHNICAL PARAMETERS:

- For two-component 380 ml cartridges

| Product name | Packaging | Pieces per box |
|--------------------------------|-----------|----------------|
| Vector Heavy Duty Caulking Gun | Box | 1 |

Manual Gun 600 ml

High quality manual extruder for dispensing caulks and adhesives in 600 ml foil packs.



BENEFITS:

- Very long life
- Very high quality

TECHNICAL PARAMETERS:

- For 600 ml foils

Vector

Heavy Duty Caulking Gun

Very high quality, professional extruder for application of sealants and adhesives in 310 ml cartridges.



BENEFITS:

- Compact construction
- Very long life
- Very high quality

TECHNICAL PARAMETERS:

- For 310 ml cartridges

RENOVATION & REPAIR



Minor defects occur in every house and we can fix them ourselves in our own time. Fixing such repairs in and around the house is a great way of relaxing and adds to our satisfaction as a DIY enthusiast. It also leads to considerable savings in the home budget.



Selena offers more than just products for major construction work, but for minor repairs around the house too. These include universal mounting adhesives and sealants in tubes as well as dedicated silicones for fish tanks, greenhouses, natural stone and motors.

There are recommend products for assembling and protecting wooden structures such as garden furniture, sealing fireplaces, stoves and grills, as well as for bathroom renovation work. Holes and ducts can be effectively filled with mounting foams, and then levelling compounds smooth out the surfaces. Enjoy the latest technologies, such as 60 Seconds Foam Adhesive or hybrid - based adhesive-sealants. Thanks to the wide palette of spray paints, you can quickly and easily give new life to old things.



RENOVATION & REPAIR



| | |
|-----|--|
| 169 | 60 Seconds Universal Fast Foam Adhesive |
| 171 | 1000 USES Mounting Adhesive |
| 171 | Classic Fix Mounting Adhesive |
| 172 | Hydro Fix Mounting Adhesive |
| 172 | Decor Express Mounting Adhesive |
| 173 | Butapren Universal Contact Adhesive |
| 173 | EV I Chemical Anchor – Polyester Styrene Free |
| 174 | MDF KIT 2K Fast Adhesive |
| 174 | Wood & Parquet Filler |
| 175 | Wood Adhesive D3 |
| 175 | 5S Wood Preserver |
| 176 | Fast Setting Polyurethane Adhesive D4 |
| 176 | 4F Fire Retardant Wood Preserver |
| 177 | ART of the Colour Spray Paint |
| 178 | Cover Foil |
| 178 | Cover Foil with Tape |
| 178 | Premium Masking Tape |
| 179 | Masking Tape |
| 179 | Masking Tape 14 Days |
| 180 | Duct Tape |
| 180 | Carpet Tape |
| 180 | Window & Door Seals D-profile, E-profile, P-profile |
| 181 | Aluminium Tape |
| 181 | PP Aluminium Tape |
| 183 | Universal Silicone |
| 183 | Sanitary Silicone |
| 184 | Aquarium & Glazing Silicone |
| 184 | Fireplace Sealant |
| 185 | High Temperature Silicone |
| 185 | Building Silicone |
| 186 | TL-40 Multi-Purpose Grease |
| 186 | FG-1 Fungicidal Agent |
| 186 | Silicone Remover |
| 187 | Lexy 60/20 All Season Straw Polyurethane Foam |
| 187 | 2K Mounting Foam |
| 188 | Thermo Spray Thermo-Acoustic PU Insulation |
| 188 | STD Summer & Winter Straw Polyurethane Foam with ERGO Applicator |



GRABS IN A MINUTE,
HOLD FOR YEARS.

FAST UNIVERSAL FOAM ADHESIVE

60 SECONDS

- + INITIAL TACK AFTER 60 SEC
- + READY TO USE, DUST-FREE SOLUTION
- + EXCELLENT ADHESION TO MOST BUILDING MATERIALS
- + HIGH EFFICIENCY



60 Seconds

Universal Fast Foam Adhesive



A multi-purpose foam adhesive with high adhesion to many materials and substrates. The unique formulation based on the TYTACK technology provides fast initial tack after only 60 seconds and does not expand, which ensures the stability of bonded elements and prevents deformation.

APPLICATIONS:

- OSB boards
- Decorative elements
- Window sills
- Construction of internal walls

BENEFITS:

- Initial high-tack after 60 seconds
- Fast and clean technology
- Ready to use product
- High yield: 1 can = 1 bag of traditional powder-based bonding
- Patented ERGO applicator (for straw versions)

TECHNICAL PARAMETERS:

- Initial tack: after 60 sec
- Yield:
 - 750 ml gun: 40 rm
 - 750 ml straw: 30 rm
 - 300 ml straw: 15 rm
- Application temperature: 0°C to +35°C
- Can temperature: +5°C to +35°C
- Open time: < 2 min
- Correction time: < 3 min
- Full curing time: 24 h

| Product name | Content | Packaging | Applicator | Pieces per box | Pieces per pallet |
|---|---------|-----------|------------|----------------|-------------------|
| 60 Seconds Universal Fast Foam Adhesive | 750 ml | Can | Gun | 12 | 624 |
| | 750 ml | Can | ERGO | 12 | 624 |
| | 300 ml | Can | ERGO | 12 | 780 |



Lightweight & gypsum decorative elements

Tytan Professional 60 Seconds is the perfect choice for bonding lightweight and heavier decorative elements on horizontal, vertical and even overhead surfaces. First make sure that the bonded surfaces are even. Follow the surface preparation instructions for a secure and durable bond.



1 Apply a single ~1 cm bead for small elements and multiple parallel beads for larger elements. Always form open shapes in order to allow for air passage and proper adhesive curing.



3 Wait for 60 seconds and join the elements. For heavy materials. Wait for 90-120 seconds to achieve a stronger immediate tack.



4 Once the elements are joined, press firmly for a few seconds and let go.

Mouldings

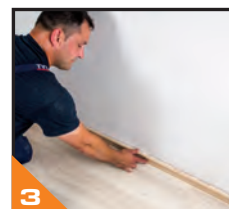
Mouldings can be easily fixed to the wall with the use of Tytan Professional 60 Seconds. First make sure that the bonded surfaces are even. Follow the surface preparation instructions for a secure and durable bond. Measure the wall length and adjust the moulding to meet your needs.



1 Apply a bead of adhesive along the moulding. Make sure the adhesive is applied as far from the face of the moulding as possible to avoid the adhesive being squeezed out onto the wall or floor.



2 Wait for 60 seconds.



3 Attach the moulding to the wall.

Window sills

Use Tytan Professional 60 Seconds to mount all types of window sill. First make sure that the bonded surfaces are even. Follow the surface preparation instructions for a secure and durable bond. The adhesive can either be applied on the sill base or on the sill covering.



1 Use a 2-3 cm bead for narrow sills and two beads for larger sills. Make sure each bead is more than 4 cm away from the sill edge to avoid the adhesive being squeezed out.



2 Once the adhesive is applied, wait for 60-120 seconds to speed up the curing process.



3 Mount the sill covering on the sill base. It is advisable to leave a weight on the sill to prevent excess adhesive from expanding.



1000 USES

Mounting Adhesive

Single-component mounting adhesive based on water dispersion, characterized by high adhesive strength, recommended for bonding various building materials used in finishing and repair works to absorbent surfaces, such as: concrete, plaster, chipboard, wood, plasterboard and gypsum. After curing the joint can be painted. The product has no odour, which ensures a better working environment.



APPLICATIONS:

- Bonding materials made from wood, ceramics, concrete and polystyrene
- Bonding skirting-boards, floor panels, boards and ceramic tiles
- Bonding decorative elements, hobby works and minor repairs

TECHNICAL PARAMETERS:

- Colour: white
- Working time: 7-10 min
- Full curing time: 48 h
- Temperature range after curing: -20°C to +60°C
- Application temperature: +10°C to +30°C

BENEFITS:

- Product exhibits excellent adhesion to most common porous building and finishing materials
- Does not require use of primer
- Solvent-free
- Neutral odour
- Moisture resistant

| Product name | Content | Packaging |
|--------------|---------|--------------|
| 1000 uses | 80 ml | Plastic tube |

Classic Fix

Mounting Adhesive

Colourless solvent-based adhesive recommended for different mounting and finishing jobs, particularly where a transparent and durable joint is required.



APPLICATIONS:

- Bonding different materials, including: brick, concrete, plaster, glass, wood, drywall, mineral and glass wools, plastics, metal, ceramics and others
- Recommended for bonding skirting boards, thresholds, panels, wooden or plastic boards, ceramic tiles, window sills, glass and metal with any type of surface used in construction
- For interior and exterior use
- Not suitable for polystyrene

BENEFITS:

- Transparent joint
- High bonding strength
- Excellent adhesive properties
- Easy to extrude and apply

TECHNICAL PARAMETERS:

- Colour: transparent
- Working time: 10–15 min
- Full curing time: minimum 72 h
- Application temperature: +10°C to +30°C
- Temperature range after curing: -20°C to +60°C

| Product name | Content | Packaging |
|--------------|---------|----------------------------------|
| Classic Fix | 100 ml | Aluminium tube in a blister pack |
| | 310 ml | Cartridge |



Hydro Fix

Mounting Adhesive

Universal, solvent-free mounting adhesive for bonding various materials to absorbent substrates. Initially white, after curing it becomes transparent. It is a great choice for bonding items requiring precision when the joint is fully or partially visible. Product is intended for indoor usage.



APPLICATIONS:

- Excellent adhesion to most common construction and finishing materials, such as concrete, plaster, chipboard, ceramic tiles, wood, panels and foam, mineral wool
- Bonding plaster and polyurethane coffers, rosettes and cornices
- Decorative and finishing PVC, polystyrene and various wood derivatives
- Slats, panels and plastic and wood boarding
- Suitable for interior applications

BENEFITS:

- Transparent joint (after curing)
- Forms a durable bond
- Solvent-free formula
- Resistant to moisture

TECHNICAL PARAMETERS:

- Colour: transparent
- Working time: 20–30 min
- Full curing time: 72 h
- Application temperature: +10°C to +30°C
- Temperature range after curing: -20°C to +60°C

| Product name | Content | Packaging |
|--------------|---------|--------------|
| Hydro Fix | 150 ml | Plastic tube |
| | 310 ml | Cartridge |

Decor Express

Mounting Adhesive

Mounting adhesive based on water dispersion with immediate initial tack in 5 seconds. It is designed for bonding a variety of decorative and finishing materials to porous substrates. The joint can be painted once cured.



APPLICATIONS:

- Bonding horizontally and vertically elements made of polystyrene like ceiling cornice, rosettes, coffers, decorative panels.
- Bonding skirting boards, profiles, plinths, wall panels, window sills, thresholds
- Bonding common building materials, such as: wood, rigid PVC, polystyrene, ceramic tiles, boards and foams, mineral wool
- Note: at least one of the bonded surfaces must be absorbent

BENEFITS:

- Fast initial tack
- Solvent-free and odourless
- Low VOC emission
- Joint can be painted

TECHNICAL PARAMETERS:

- Colour: white
- Working time: 10–15 min
- Application temperature: +10°C to +30°C
- Temperature range after curing: -20°C to +60°C
- Full curing time: 48 h

| Product name | Content | Packaging |
|---------------|---------|--------------|
| Decor Express | 210 g | Plastic tube |
| | 310 ml | Cartridge |



Butapren

Universal Contact Adhesive



Contact adhesive for use in the footwear, furniture, automotive and construction industries.

APPLICATIONS:

- Bonding leather (natural and artificial) and rubber
- Bonding fabrics and felt
- Bonding cork

BENEFITS:

- Forms an elastic and durable joint
- Fast setting
- High adhesive strength
- Contact adhesive

TECHNICAL PARAMETERS:

- Curing time: approx. 15–60 min
- Full curing time: 72 h
- Working temperature: +18°C to +25°C
- Temperature range after curing: -30°C to +50°C

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--------------|---------|-----------|----------------|-------------------|
|--------------|---------|-----------|----------------|-------------------|

EVI

Chemical Anchor – Polyester Styrene Free



A high performance, fast-curing, two-component chemical anchoring system.

Applied in a single action, this resin will produce a cost effective, strong, chemically resistant fixing.

APPLICATIONS:

- Anchoring in:
 - Hollow walls
 - Brickwork
 - Masonry and non-cracked concrete
 - Weak substrates where expandable dowels cannot be used

BENEFITS:

- Highly universal fixing resin
- Medium duty load applications
- Non-flammable and non-hazardous
- Ideal for interior and exterior use
- European Technical Approval

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--|---------|-----------|----------------|-------------------|
| EVI Chemical Anchor Polyester Styrene Free | 165 ml | Cartridge | 5 | 1 470 |
| | 165 m | Cartridge | 12 | 1 380 |
| | 300 ml | Cartridge | 5 | 1 050 |
| | 300 ml | Cartridge | 12 | 1 260 |



MDF KIT

2K Fast Adhesive

An adhesive set which consists of high viscosity cyanoacrylate adhesive and activator.



APPLICATIONS:

- For bonding of a very wide range of materials, including acidic surfaces and some porous ones, where rapid bonding is required
- For MDF, wood, chip wood, rubber, most plastics, leather and other common substrates
- Especially suitable for the applications where cure speed needs to be accelerated

BENEFITS:

- High bonding strength
- Does not drip or slump – suitable for use on vertical surfaces
- Especially suitable for bonding difficult surfaces that have a porous or uneven structure

TECHNICAL PARAMETERS:

- Basis of adhesive: Ethyl Cyanoacrylate
- Basis of activator: Hexane
- Appearance of adhesive: liquid gel
- Appearance of activator: aerosol
- Colour: colourless
- Application temperature: +5°C to +35°C
- Temperature range after curing: -20°C to +70°C

| Product name | Volume/Weight | Pieces per box |
|--------------|---|----------------|
| MDF KIT | 100 gr GW glue + 400 ml Activator Spray | 25 |
| | 50 gr GW glue + 200 ml Activator Spray | 12 |
| | 25 gr GW glue + 100 ml Activator Spray | 25 |

Wood & Parquet Filler

Acrylic sealant designed especially for filling joints and gaps between wooden elements, such as panels, parquet flooring, skirting boards, stairs, window sills, etc. Once cured, it can be sanded and painted.



APPLICATIONS:

- Filling joints around wooden frames, skirting boards and windowsills
- Sealing parquets and wood laminates
- Sealing joints between stair treads and risers
- Filling gaps between flooring and wall

TECHNICAL PARAMETERS:

- Colour: oak, pine, mahogany, beech, walnut, cherry, wenge, ash, spruce, light grey oak, dark grey oak
- Curing rate: 1.0 mm / 24 h (+23°C, 50% RH)
- Application temperature: +5°C to +40°C
- Skin formation time: 15-25 min
- Working time: 10-12 min
- Temperature range after curing: -20°C to +80°C

BENEFITS:

- Natural colours of wood
- Fills cracks of up to 15 mm
- Can be easily sanded and painted
- Highly flexible after curing
- Odourless and chemically neutral
- Multiple layers can be applied after curing

COLOUR CHART



| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|-----------------------|---------|-----------|----------------|-------------------|
| Wood & Parquet Filler | 280 ml | Cartridge | 12 | 1 440 |



Wood Adhesive D3

Single-component adhesive characterised by an increased resistance to moisture. Designed for both cold and hot applications. Once cured, it creates a colourless, durable joint, with D3 water resistance class in accordance with the PN-EN 204 standard.



APPLICATIONS:

- Bonding all European wood types
- Bonding plywood, chipboard and other wooden materials
- Contact bonding
- Bonding of bathroom and kitchen furniture
- Furniture which is especially subjected to moisture

TECHNICAL PARAMETERS:

- Working time: approx. 10 min
- Clamping time: 15–20 min at +20°C or 2–3 min at +80°C
- Full curing time: 24 h

BENEFITS:

- High yield (0.15–0.2 kg/m²)
- D3 water resistance class (PN EN 204)
- Wide range of applications
- Once cured, creates a durable, flexible and colourless joint
- Optimal viscosity
- Physiologically and ecologically neutral once fully cured
- Easy-to-use

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|------------------|---------|-----------|----------------|-------------------|
| Wood Adhesive D3 | 200 g | Bottle | 12 | 1 368 |
| | 500 g | Bottle | 12 | 840 |
| | 750 g | Bottle | 6 | 528 |
| | 5 kg | Bucket | – | 120 |
| | 20 kg | Bucket | – | 27 |

5S Wood Preserver

Professional and permanent wood protection against insects and fungi. Multi-functional impregnation agent for both interior and exterior use.



APPLICATIONS:

- Protection for the wood exposed to the weather (logs, shingles, fences)
- Protection for wood used in closed areas (roof trusses, wood structures, frames)
- The colourless version may be used as a primer for varnishes, waxes or colouring stains
- Thinning: 1:9
- Consumption: 30–40 g/m²

BENEFITS:

- Contains modern biocides, effective even if applied in small volumes
- Penetrates fast and deep into the wood
- Bonds permanently with the wood
- Non-corrosive to steel

TECHNICAL PARAMETERS:

- Composition: propiconazole, amine oxygen, fenoxycarb, modification compounds, solvents, water
- Colour: transparent, green
- Odour: low odour, slightly soapy
- Form: liquid
- PH: 6.5
- Resistance to rain: after 24 h
- No. of layers: 2–3 (if brush is used)
- Norms and quality: complies with EN 335-1: durability of wood and wood-based products

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|-------------------|---------|----------------|----------------|-------------------|
| 5S Wood Preserver | 1 l | Plastic bottle | 6 | 480 |
| | 25 l | Canister | 4 | 108 |



Fast Setting Polyurethane Adhesive D4



Single-component polyurethane adhesive which cures when exposed to the moisture contained in the air or in the bonded materials. Once cured, it creates a durable, flexible joint resistant to a wide range of temperatures, with D4 water resistance class (in accordance with the PN-EN 204 standard).

APPLICATIONS:

- Bonding all wood types (including exotic wood)
- Bonding windows and doors, stairs
- Bonding wooden garden furniture
- Bonding boat and yacht construction elements
- Bonding of sheet metal, polystyrene and insulation materials

TECHNICAL PARAMETERS:

- Working time: 5-20 min
- Clamping time: 1-2 h
- Temperature range after curing: -40°C to +80°C

BENEFITS:

- High yield (0.12–0.25 kg/m²)
- D4 water resistance class (PN EN 204)
- Quick bonding
- Wide range of applications
- Creates a durable and flexible joint
- Physiologically and ecologically neutral once fully cured
- Easy-to-use

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|---------------------------------------|---------|-----------|----------------|-------------------|
| Fast Setting Polyurethane Adhesive D4 | 800 g | Bottle | 6 | 300 |
| | 5 kg | Bucket | – | 50 |

4F Fire Retardant Wood Preserver



Multifunctional agent used for protecting wood against fire, insects and wood decay fungi.

APPLICATIONS:

- Protects wood and wood-based materials such as roof trusses, formwork, ceilings and walls against fire or fungi
- Thinning: 1:2.3
- Consumption: 200 g/m²

BENEFITS:

- Reduces flammability of wood (class B, according to EN-13501)
- Deep-penetrating
- Protects against fire, fungi and insects
- Non-corrosive to metals

TECHNICAL PARAMETERS:

- Consistency: crystal powder (salt)
- Ingredients: sodium borate, boric acid, ammonium sulphate, ammonium phosphate and others
- Colour: transparent, red (pigment provided in separate bag)
- Dissolved product: pH 5–6
- Aggression to steel: weak
- Consumption of salt: 200 g/m² (biological and fire-retardant protection)
- By number of layers: at least 8.50 g/m² consumption of salt (only biological protection)

NOTE: The number of layers depends on type of wood, humidity, temperature and can differ.

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|----------------------------------|---------|--------------|----------------|-------------------|
| 4F Fire Retardant Wood Preserver | 1 kg | Plastic pail | 6 | 432 |
| | 5 kg | Plastic pail | – | 108 |
| | 20 kg | Plastic pail | – | 24 |



ART of the Colour Spray Paint

Quick-drying alkyd and acrylic paint for repair, decoration and utility purposes. It provides a low-wear coating, resistant to scratches, environmental and mechanical damage. The UV-resistant pigments contained in the paint ensure a rich colour that will retain its lustre over the course of time.



APPLICATIONS:

- Quick-drying decorative finishing for wood, metal, aluminium, glass, stone surfaces as well as various types of plastic surfaces
- For interior and exterior

TECHNICAL PARAMETERS:

- Gloss: high gloss, satin matt and matt
- Coverage: 1.25 to 2.25 m²
- Full hardened / re-sprayable: depends on kind of paint: max 24 h

BENEFITS:

- Glossy or matte finish
- Many optional colours or customized colour (match RAL colour palette)
- UV-resistant
- The coating prevents rust formation
- Excellent coverage property
- Resistant to petrol, chemicals and weather influences



| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|-------------------------------|---------|-------------|----------------|-------------------|
| ART of the Colour Spray Paint | 400 ml | Aerosol Can | 12 | 600 |
| | 400 ml | Aerosol Can | 6 | 522 |





Cover Foil



Cover Foil is great protection against paint, dirt, dust and moisture during painting works, restorations and also during transport.

APPLICATIONS:

- Protection of floors, furniture, windows, etc. from dirt during repair works

| Product name | Size | Thickness | Material | Gross weight /pcs | Pieces per box |
|------------------------|--------------|-----------|----------|-------------------|----------------|
| Cover Foil Standard | 4 m x 5 m | 5 µm | HDPE | 90 g | 60 |
| Cover Foil Thick | 4 m x 5 m | 7 µm | HDPE | 120 g | 40 |
| | 4 m x 12.5 m | 7 µm | HDPE | 315 g | 30 |
| Cover Foil Extra Thick | 4 m x 5 m | 28 µm | LDPE | 520 g | 15 |

Cover Foil with Tape



Excellent protection of the surface against dirt during painting and repair works.

APPLICATIONS:

- For covering and masking large surfaces (e.g. furniture, walls)
- For accurate painting lines and protection from dust, paint contamination etc.

BENEFITS:

- Perfect adhesion to most surfaces
- Does not move during work

| Product name | Size | Material | Gross weight /pcs | Pieces per box |
|----------------------|---------------|----------|-------------------|----------------|
| Cover Foil with Tape | 140 cm x 33 m | HDPE | 360 g | 20 |
| | 270 cm x 20 m | HDPE | 400 g | 20 |
| | 55 cm x 33 m | HDPE | 160 g | 48 |

Premium Masking Tape



Single-sided adhesive tape with a crepe paper backing commonly used for covering edges or surfaces during painting, varnishing, sealing or other construction and finishing works.

APPLICATIONS:

- Protection from paint contamination
- For accurate painting lines

BENEFITS:

- Easy to use
- Easy to remove
- For indoor use
- Does not leave adhesive residue

TECHNICAL PARAMETERS:

- Elongation at breakage: 10%
- Paper thickness: 75 µm
- Total thickness: 95 µm
- Temperature range: +60°C
- Type of adhesive: Hot-melt
- Time of adhesion: 72 h
- Colour: white

| Product name | Size | Packaging | Pieces per box | Pieces per pallet |
|----------------------|--------------|-----------|----------------|-------------------|
| Premium Masking Tape | 25 mm x 50 m | Roll | 36 | 4 320 |
| | 30 mm x 50 m | Roll | 40 | 3 600 |
| | 38 mm x 50 m | Roll | 24 | 2 880 |
| | 48 mm x 50 m | Roll | 24 | 2 160 |

Masking Tape



A single-sided adhesive masking tape with excellent adhesion and good durability. It can be used with all types of paint.

APPLICATIONS:

- Protection from paint
- Masking edges and surfaces

BENEFITS:

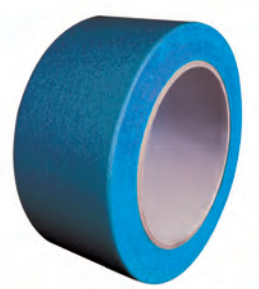
- Easy-to-use
- Easy-to-remove
- No adhesive residue

TECHNICAL PARAMETERS:

- Elongation at breakage: 10%
- Paper thickness: 75 µm
- Total thickness: 95 µm
- Temperature range: +60°C
- Type of adhesive: Hot-melt
- Colour: yellow

| Product name | Size | Packaging | Pieces per box | Pieces per pallet |
|--------------|--------------|-----------|----------------|-------------------|
| Masking Tape | 25 mm x 25 m | Roll | 90 | 5 184 |
| | 30 mm x 25 m | Roll | 60 | 4 320 |
| | 38 mm x 25 m | Roll | 42 | 3 024 |
| | 48 mm x 25 m | Roll | 36 | 2 592 |
| | 25 mm x 40 m | Roll | 36 | 4 320 |
| | 30 mm x 40 m | Roll | 40 | 3 600 |
| | 38 mm x 40 m | Roll | 24 | 2 880 |
| | 48 mm x 40 m | Roll | 24 | 2 160 |

Masking Tape 14 Days



Easy-to-use, one-sided adhesive masking tape. Provides good adhesive strength and high precision of edge painting. This tape is durable, easy to remove after use, with no glue residue after removal and can be used with all kinds of paint. Perfect for use indoors and outdoors. It is UV resistant up to 14 days.

APPLICATIONS:

- Protection from paint contamination
- Providing accurate painting lines, for interior and exterior work

BENEFITS:

- No adhesive residue
- Easy-to-use
- Easy-to-remove
- Don't adhere
- No leaks
- For indoor and outdoor use
- Resistant to UV, rain and other atmospheric factors
- Ideal for: painted walls and mouldings, lacquered wooden surfaces, glass, plastic, metal and many others

TECHNICAL PARAMETERS:

- Elongation at breakage: 10%
- Paper thickness: 80 µm
- Total thickness: 110 µm
- Temperature range: +60°C
- Type of adhesive: acrylic
- Time of adhesion: 336 h
- Colour: blue

| Product name | Size | Packaging | Pieces per box | Pieces per pallet |
|----------------------|--------------|-----------|----------------|-------------------|
| Masking Tape 14 Days | 25 mm x 25 m | Roll | 40 | 3 600 |
| | 38 mm x 25 m | Roll | 24 | 2 880 |
| | 48 mm x 25 m | Roll | 24 | 2 160 |
| | 25 mm x 50 m | Roll | 36 | 4 320 |
| | 30 mm x 50 m | Roll | 40 | 3 600 |
| | 38 mm x 50 m | Roll | 24 | 2 880 |
| | 48 mm x 50 m | Roll | 24 | 2 160 |



Duct Tape



A single-sided textile adhesive tape with increased durability and a wide range of applications. Characterised by high resistance to weather conditions, ageing, moisture and temperature. Has excellent adhesion to surfaces.

APPLICATIONS:

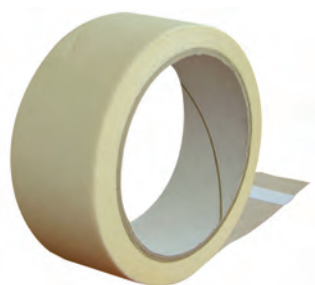
- Bonding and fixing all items
- Joining insulation materials
- Performing all types of quick repairs

BENEFITS:

- For quick repairs
- Durable, strong bond
- Easy-to-use

| Product name | Size | Packaging | Pieces per box | Pieces per pallet |
|--------------|--------------|-----------|----------------|-------------------|
| Duct Tape | 48 mm x 10 m | Roll | 24 | 2 160 |
| | 48 mm x 25 m | Roll | 24 | 2 160 |
| | 48 mm x 50 m | Roll | 24 | 1 440 |

Carpet Tape



A double-sided adhesive tape. Characterised by high resistance to ageing, moisture and temperature. Has excellent adhesion to surfaces.

APPLICATIONS:

- Bonding and fixing all items
- Temporary or permanent bonding
- Bonding the edges of carpets or carpets flooring

BENEFITS:

- For quick repairs
- Strong bond
- Easy-to-use

TECHNICAL PARAMETERS:

- Elongation at breakage: 30%
- Paper thickness: 70 µm
- Total thickness: 180 µm
- Temperature range: +60°C

| Product name | Size | Packaging | Pieces per box | Pieces per pallet |
|--------------|--------------|-----------|----------------|-------------------|
| Carpet Tape | 48 mm x 5 m | Roll | 96 | 3 072 |
| | 48 mm x 10 m | Roll | 72 | 2 880 |
| | 48 mm x 25 m | Roll | 36 | 1 728 |

Window & Door Seals D-profile, E-profile, P-profile



The self-adhesive EPDM rubber seal with adhesive side protected by siliconized paper.

APPLICATIONS:

- Used for sealing window- and door frames
- D-profile recommended for joints width of 3–7 mm
- E-profile recommended for joints width of 2–3.5 mm
- P-profile recommended for joints width of 3–5 mm

BENEFITS:

- Protects from cold, noise and dust
- Excellent barrier for out-coming heat
- Excellent UV, oxygen, ozone and water resistance

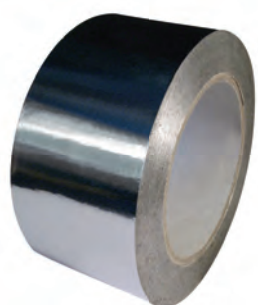
TECHNICAL PARAMETERS:

- Base: EPDM (ethylene-propylene rubber)
- Base colour: white, brown, black
- Adhesive: resin type glue base on synthetic rubber, fibre glass carrier
- Elongation at breakage: 150 (+) 110 (-) 70 N/cm
- Temperature range: -40°C to +65°C

| Product name | Size | Packaging | Pieces per box | Pieces per pallet |
|---------------------|---------------|-----------|----------------|-------------------|
| Window & Door Seals | 6 m (2 x 3 m) | Box | 24 | 1 536 |
| | 24 m (2 x 12) | Box | 14 | 588 |
| | 100 m/ 150 m | Coil | 6 | 504 |
| | 100 m/ 150 m | Coil | 8 | 480 |

Aluminium Tape

A single-sided adhesive tape based on aluminium, for various construction applications and in the automotive industries.



APPLICATIONS:

- Sealing joints between insulation materials in ventilation, air-conditioning and heating ducts
- Repairs and regenerations of aluminium decorative elements

BENEFITS:

- Good adhesive and strong bond
- Waterproof
- Resistant to weather conditions
- High thermal resistance [-30°C to +120°C]

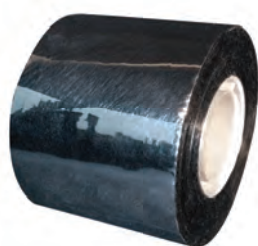
TECHNICAL PARAMETERS:

- Elongation at breakage: 3%
- Thickness: 30 µm
- Total thickness: 60 µm
- Temperature range: -30°C to +80°C
- Colour: silver

| Product name | Size | Packaging | Pieces per box | Pieces per pallet |
|----------------|--------------|-----------|----------------|-------------------|
| Aluminium Tape | 48 mm x 50 m | Roll | 24 | 1 440 |

PP Aluminium Tape

A single-sided adhesive tape based on metallized polypropylene film and aluminium, for various technical applications in the construction and automotive industries.



APPLICATIONS:

- Sealing joints between insulation materials in ventilation, air-conditioning and heating ducts
- Repairs and regenerations of aluminium decorative elements

BENEFITS:

- Good adhesive and strong bond
- Waterproof
- Fireproof
- Resistant to weather conditions
- High thermal resistance [-30°C to +120°C]

TECHNICAL PARAMETERS:

- Elongation at breakage: 3%
- Thickness: 30 µm
- Total thickness: 50 µm
- Temperature range: -30° to +120°C
- Colour: silver

| Product name | Size | Packaging | Pieces per box | Pieces per pallet |
|-------------------|--------------|-----------|----------------|-------------------|
| PP Aluminium Tape | 50 mm x 50 m | Roll | 36 | 3 456 |





Universal

Silicone

Permanently flexible, easy-to-use, acid curing silicone. It is perfectly suited for both interior and exterior use. It creates a durable and waterproof joint that protects gaps against penetration of moisture and air.



APPLICATIONS:

- Pointing joints between ceramic tiles and corner connections
- Sealing connection and expansion joints
- Sealing in household and do-it-yourself projects
- For interior and exterior use

BENEFITS:

- Excellent adhesion to many building materials
- Resistant to UV radiation and changing weather conditions
- Durable colour once cured

TECHNICAL PARAMETERS:

- Colours: white, transparent
- System of curing: acetate
- Curing rate: 2–3 mm / 24 h (+23°C, 50% RH)
- Application temperature: +5°C to +40°C
- Skin formation: 5–30 min
- Working time: 5–15 min
- Temperature range: -40°C to +100°C

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--------------------|---------|-----------|----------------|-------------------|
| Universal Silicone | 85 ml | Tube | 12 | 2 016 |
| | 280 ml | Cartridge | 12 | 1 440 |
| | 600 ml | Foil | 12 | 1 152 |

Sanitary

Silicone

Sanitary Silicone is a flexible sealant with an acidic curing system. It shows excellent adhesion to substrates such as wall and floor tiles, glass, acrylic, or wood. It contains agents that prevent the formation and growth of mould, fungi and algae. Suitable for rooms with higher humidity [e.g. kitchens and bathrooms].



APPLICATIONS:

- Sealing of joints, connections and gaps in high humidity areas
- Sealing of water and wastewater systems
- Pointing joints in ceramic tiles

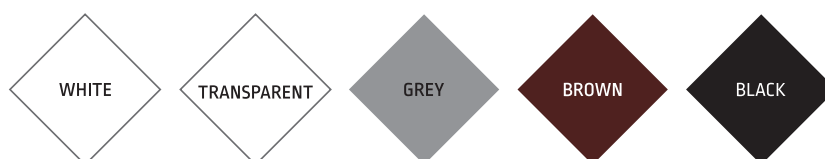
BENEFITS:

- Resistant to mould and fungus growth
- Excellent adhesion to glass, ceramics and porcelain
- Waterproof
- Durable colour

TECHNICAL PARAMETERS:

- Colours: white, transparent, grey, brown, black
- Curing system: acetate
- Curing rate: 2.0 mm / 24 h (+23°C, 50% RH)
- Application temperature: +5°C to +40°C
- Skin formation: 5–15 min
- Working time: 5–25 min
- Temperature range: -40°C to +100°C

COLOUR CHART



| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|-------------------|---------|-----------|----------------|-------------------|
| Sanitary Silicone | 85 ml | Tube | 12 | 2 016 |
| | 280 ml | Cartridge | 12 | 1 440 |



Aquarium & Glazing Silicone

Silicone is recommended for bonding and sealing aquariums, terrariums and other glass constructions. It creates a fast-curing joint, resistant to ageing, UV radiation and temperature changes. It features excellent adhesion to common non-porous substrates, such as glass, ceramics and aluminium.



APPLICATIONS:

- Bonding and sealing of aquariums and terrariums
- Glazing of table tops, shop windows and greenhouses
- Sealing of glass joints, skylights, glass blocks, advertising signs and light boxes
- Bonding small glass elements with aluminium

BENEFITS:

- Extremely strong adhesion
- Safe for animals and plants
- Resistant to high tensile loads
- High mechanical resistance
- Waterproof
- Does not contain organic solvents

TECHNICAL PARAMETERS:

- Colour: transparent, black
- System of curing: acetate
- Curing rate: 2-3 mm / 24 h (+23°C, 50% RH)
- Application temperature: +5°C to +40°C
- Temperature range: -50°C to +180°C

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|-----------------------------|---------|-----------|----------------|-------------------|
| Aquarium & Glazing Silicone | 280 ml | Cartridge | 12 | 1 440 |

Fireplace Sealant

Sealant

A specialised sealant based on water glass, recommended for sealing gaps, cracks and crevices in chimneys, stoves and fireplace grates. It contains glass fibre, which makes it gas-tight and prevents it from shrinking or expanding.



APPLICATIONS:

- Sealing gaps, cracks and crevices in ceramic chimney ducts
- Sealing chimneys, stoves and fireplace grates
- Installation of stoves and grills
- Repair of construction and technical elements exposed to fire
- Not recommended for applications which require flexible connections (e.g. central heating, gas installations)

TECHNICAL PARAMETERS:

- Colour: white
- Curing rate: 2-3 mm / 24 h (+23°C, 50% RH)
- Working time: 5-10 min
- Temperature range: -50°C to +1500°C
- Application temperature: +5°C to +40°C

BENEFITS:

- Resistant to temperatures up to +1500°C
- Very good adhesion to metal, brick and cement
- Retains its properties despite temperature changes
- Will not crack or crumble
- Contains no asbestos and emits no noxious substances
- Resistant to UV radiation and changing weather conditions

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|-------------------|---------|-----------|----------------|-------------------|
| Fireplace Sealant | 280 ml | Cartridge | 12 | 1 140 |



High Temperature Silicone

Flexible, fast-curing silicone, resistant to long exposure to low and high temperatures ranging from -65°C to +245°C (temporarily up to +305°C). It creates a permanent, non-shrink joint resistant to UV radiation. It is gas and waterproof.



APPLICATIONS:

- Formed in place gaskets for automotive, industrial and marine engines: oil pans, water pumps, valve covers, timing gear covers and thermostat housings
- Sealing smoke and ventilation ducts, chimney elements
- Sealing elements exposed to high and low temperatures, e.g. in refrigeration technology

TECHNICAL PARAMETERS:

- Colour: red, black
- System of curing: acetate
- Curing rate: 2.0–3.0 mm / 24 h (+23°C, 50% RH)
- Temperature range: -65°C to +245°C
- Temporary resistance to temperatures: up to +305°C
- Application temperature: +5°C to +40°C

BENEFITS:

- Oil and grease resistant
- Fast curing
- Excellent adhesion to glass, ceramics, wood, aluminium and metal
- Creates a flexible, non-shrink joint

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|---------------------------|---------|-----------------|----------------|-------------------|
| High Temperature Silicone | 20 ml | Tube | 20 | 4 600 |
| | 80 ml | Small cartridge | 10 | 1 800 |
| | 280 ml | Cartridge | 12 | 1 440 |

Building Silicone

Silicone

Silicone with a neutral curing system which forms a flexible, non-shrink, watertight joint. It is characterized by excellent adhesion to typical materials used in construction, both porous and non-porous, such as: concrete, brick, wood, glass, tile, steel, aluminium, enamel and laminated and varnished surfaces and plastics. It does not corrode metals or concrete.



APPLICATIONS:

- Sealing bathtubs, washbasins, showers, sinks and other sanitary facilities and water supplies
- Pointing ceramic tiles
- Sealing joints which have increased exposure to moisture (sanitary applications)
- Sealing construction elements and constructional concrete, wood, metals and synthetic materials

TECHNICAL PARAMETERS:

- Colour: white
- Curing system: neutral
- Application temperature: +5°C to +40°C
- Temperature range: -40°C to +120°C
- Skin formation time: 5-15 min
- Working time: 5-10 min
- Curing rate: 2-3 mm / 24 h (+23°C, 50% RH)

BENEFITS:

- Neutral - does not damage sensitive surfaces
- Excellent resistance to mould and fungi
- High flexibility after curing
- Odourless

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|-------------------|---------|-----------|----------------|-------------------|
| Building silicone | 280 ml | Cartridge | 12 | 1 440 |



TL-40

Multi-Purpose Grease



TL-40 is a multi-purpose synthetic grease containing PTFE providing resistance to dirt or salt water.

APPLICATIONS:

- Lubrication and protection: rotating, sliding or creaking elements: sliding door locks, hinges, zips, workshop and garden tools
- Lubrication and maintenance: bicycles, chains, firearms, fishing reels, winches, cables and monitoring equipment
- Loosening of connections: hinges, screws
- Removing impurities and rust
- Prevents corrosion and protects: from moisture, displaces fresh and salty water

TECHNICAL PARAMETERS:

- Colour: transparent
- Temperature range
 - Continuous: -43°C to +176°C
 - Intermittent: -43°C to +260°C

BENEFITS:

- Works under extreme conditions, at temperatures -43°C to +260°C
- Contains PTFE component, so that dust and dirt do not stick to the surface
- Does not conduct electricity
 - it is a dielectric
- Has 4 x more durability
- It is ideal for cleaning and lubricating bicycle chains
- Water & salt water waterproof
- Prevents rust and corrosion while reducing friction
- Reduces friction and wear
- Long machinery life
- Reduces Maintenance

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|----------------------------|---------|-----------|----------------|-------------------|
| TL-40 Multi-Purpose Grease | 150 ml | Can | 24 | 2 904 |
| | 200 ml | Can | 12 | 2 304 |
| | 400 ml | Can | 12 | 840 |

FG-1

Fungicidal Agent



A chlorine-free effective solution for removing fungus and mildew from buildings.

APPLICATIONS:

- Recommended for high humidity areas (swimming pools, bathrooms, laundry rooms and kitchens)
- Can be used on walls, plaster and wood, as well as on paints, adhesives and emulsion coatings

BENEFITS:

- Fights and prevents development of mould and fungus
- Effective even on painted walls
- Can be use inside and outside

TECHNICAL PARAMETERS:

- Consistency: liquid
- Colour: transparent

Silicone Remover



A paste used for effective removal of cured silicone from construction substrates such as glass, ceramic tile, brick, concrete, wood and metals.

APPLICATIONS:

- Removal of old silicone
- Surface preparation for the new joint

TECHNICAL PARAMETERS:

- Colours: white
- The consistency: thick paste
- Open time: from 30 min (fabrics) to 24 h (some building materials)

BENEFITS:

- Effective in action
- Removes even hardened silicones
- Does not cause corrosion
- Ecological
- Does not drain from vertical surfaces
- Easy-to-use
- Improves the adhesion of the new sealant

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|------------------|---------|----------------|----------------|-------------------|
| Silicone Remover | 80 ml | Mini cartridge | 6 | 1 050 |



Lexy 60/20

All Season Straw Polyurethane Foam



Innovative straw polyurethane foam, giving a very high yield. Available in two sizes and can be applied in any position of the can. All season formulation enables application from -10°C to +30°C.

APPLICATIONS:

- Mounting of interior doors
- Sealing of hard-to-reach places
- Thermal and acoustic insulation

BENEFITS:

- Multipositional
- Very high yield
- Easy application at any position of the can (360°)
- All season formula
- Short curing time
- Low pressure formulation (prevents bowing of door frames)
- Does not emit MDI during application**
- M1 emission class for building material***

TECHNICAL PARAMETERS:

- Yield:
 - up to 60 l – Lexy 60
 - up to 20 l – Lexy 20
- Application temperature: +5°C to +30°
- Ambient temperature: -10°C to +30°C

** The lack of MDI emission was certified by SP Proving Forskning Swedish Institute.

*** Product classified by The Building Information Foundation RTS as M1 building material class. Once cured, it does not emit any hazardous substances.

All communicated parameters were measured in compliance with Selena's internal standards and depend heavily on external curing conditions, equipment quality and adherence to application instructions. The parameters were measured under standard laboratory conditions: +23°C and 50% RH.

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|------------------------------------|---------|-----------|----------------|-------------------|
| Lexy 60/20 | 750 ml | Can | 12 | 624 |
| All Season Straw Polyurethane Foam | 300 ml | Can | 12 | 936 |

2K

Mounting Foam



Two-component PU Foam of new generation, developed according to modern technology. After hardening the foam is odourless and does not emit any emissions TVOC, formaldehyde, ammonia or MDI. Polymerization occurs as a result of a chemical reaction between two components and does not depend on the humidity of the air or the surface. After curing it is resistant to moulds and fungi and to high and low temperatures.

APPLICATIONS:

- Mounting door frames, windows and doors, window sills, roller shutters, stair steps, etc.
- Filling and soundproofing partition walls, elements prefabricated in frame structures
- Thermal and acoustic insulation of floors, attics, roofs, air conditioning systems
- Filling gaps in joints wall and ceiling panels
- Filling in closed spaces with no access to moisture
- Filling and insulation of culverts pipe and cable, central heating installation and water

BENEFITS:

- Very good adhesion to building materials: brick, concrete, plaster, wood, metals, polystyrene, hard PVC and rigid PUR foams.
- No MDI emissions
- Quick and reliable assembly

TECHNICAL PARAMETERS:

- Yield: 8-10 l
- Application temperature: +10°C to +25°C
- Can temperature: +10°C to +25°C
- Cutting time: ≤ 15 min
- Full curing time: 4 h

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|------------------|---------|-----------|----------------|-------------------|
| 2K Mounting Foam | 400 ml | Can | 12 | 780 |



Thermo Spray

Thermo-Acoustic PU Insulation



Single-component, ready-to-use, self-adhesive polyurethane-based insulation foam. The product features a high level of adhesion to various surfaces: wood, metal, brick, concrete and expanded polystyrene. Supplied in standard PU foam cans with a special TY-JET® spray nozzle that insulates large areas and many other surfaces.

APPLICATIONS:

- Thermal and acoustic insulation of large areas
- Thermal and acoustic insulation of internal and external building walls
- Thermal insulation in hard-to-reach areas and places
- Thermal and acoustic insulation of attics
- Thermal and acoustic insulation in garages, porches and balconies
- Thermal and acoustic insulation of cables and pipes
- Thermal insulation of tanks, pools, wellness sewage
- Thermal bridge reduction

TECHNICAL PARAMETERS:

- Curing time of one layer: 30 min
- Yield: approx. 0.8 m² (5 cm layer) / approx. 1.5 m² (3 cm layer)
- Application temperature: +5°C to +30°C
- Can temperature: +15°C to +30°C

BENEFITS

- High speed of work - 10 m² / 1 hour when applying 1 layer
- Saving time when preparing the product for work
- No need to mount with fasteners
- No joint, no thermal bridges
- Seamless application, homogeneous insulation layer
- No gaps or air passages
- Allows levelling of surface irregularities
- The product is self-adhesive and can be used on uneven and hard-to-reach surfaces

| Product name | Content | Applicator | Packaging | Pieces per box | Pieces per pallet |
|---|---------|------------|-----------|----------------|-------------------|
| Thermo Spray Thermo-Acoustic PU Insulation | 800 ml | Straw | Can | 12 | 840 |
| | 870 ml | Gun | Can | 12 | 840 |

STD

Summer & Winter Straw Polyurethane Foam with ERGO Applicator



High quality straw polyurethane foam with excellent filling and sealing properties. The innovative ERGO applicator creates a new standard: it enables the foam to be applied with just one hand, using very little force, and gives full control over foam flow rate, like a professional gun applicator. It can be bent and closed with a special pin so – unlike traditional straw foams – a foam equipped with ERGO applicator can be used many times within the 60 days from the first application.

APPLICATIONS:

- Filling and sealing of cracks, crevices, pipes and ducts
- Insulation of wall panels, corrugated metal sheets, roof tiles, etc.

TECHNICAL PARAMETERS:

SUMMER FOAM:

- Yield: up to 45 l
- Cutting time: ≤ 40 min
- Application temperature: 0°C to +30°C
- Can temperature: +10°C to +30°C

WINTER FOAM:

- Yield: up to 45 l
- Cutting time: ≤ 40 min
- Application temperature: -10°C to +30°C
- Can temperature: +5°C to +30°C

BENEFITS:

- Foam reusability up to 60 days
- Controls foam flow – like a gun
- One hand application
- Resistant to mould and fungus
- Does not emit MDI during application*
- Multi-position - perfect for difficult to reach places, can be applied in the "valve up" position
- An opportunity to work in winter and summer
- Ergonomic ERGO applicator - giving greater comfort of work as well as more precise and convenient application
- High efficiency - up to 45 l (750 ml) low pressure formula

* The lack of MDI emission was certified by SP Proving Forskning Swedish Institute.
 ** Product classified by The Building Information Foundation RTS as M1 building material class. Once cured, it does not emit any hazardous substances.
 All communicated parameters were measured in compliance with Selenia's internal standards and depend heavily on external curing conditions, equipment quality and adherence to application instructions.
 The parameters were measured under standard laboratory conditions: +23°C and 50% RH.

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--|---------|-----------|----------------|-------------------|
| STD Summer & Winter Straw Polyurethane Foam with ERGO Applicator | 750 ml | Can | 12 | 624 |
| | 500 ml | Can | 12 | 780 |



FINISHING WORKS





Interior finishing works are a vital and emotional stage of every construction or renovation process. This is the time when important decisions have to be made as to the character of the interior, its aesthetics and functionality. This is when extra care and attention should be given to the choice of products, which even though they may not be visible will guarantee long lasting and safe use of the interiors.

Our mission is not only to provide the best possible products for construction – finishing works, but also to assist our customers in tackling any potential issues which may arise during the finishing process. We are proud to offer only the highest quality products based on modern technologies, which are yet safe and easy to use.

One important group of customers are house painters and general construction companies. This group really benefits from our wide product range, indispensable at each stage of the painting operations. Starting from the protection of the surface (films, protective tapes) through substrate preparation (primers, foam adhesives, acrylic sealants, masking tapes for sealing cracks in walls and ceilings). Then finally the paints and mounting adhesives for the skirting boards and plasterwork.



FINISHING WORKS



| | |
|-----|---|
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| 196 | Gasket Insulating Foam Sealant |
| 196 | Painting Acrylic |
| 197 | Rapid Filler Light Acrylic |
| 197 | Universal Acrylic |
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| 201 | Masking Tape 14 Days |
| 201 | Cover Film |
| 201 | Cover Film with Tape |
| 202 | FIX ² GT Mounting Adhesive |
| 204 | Clear Mounting Adhesive & Sealant |
| 204 | Elastic Mounting Adhesive & Sealant |
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| 205 | Classic Fix Mounting Adhesive |
| 206 | Hydro Fix Mounting Adhesive |
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| 207 | Decor Express Mounting Adhesive |
| 207 | Multi-Use Mounting Adhesive |
| 210 | Regular Plus Interior Acrylic Paint |
| 210 | Latex Plus Interior Latex Paint |
| 211 | Invest Dynamic Interior Acrylic Paint |
| 211 | Finish Plus Dolomite Plaster Putty |
| 212 | Universal Primer Concentrate |
| 212 | Deep Penetrating Primer |
| 213 | Multigrunt Primer |
| 213 | Contact Premium Primer For Demanding Surfaces |



GRABS IN A MINUTE,
HOLD FOR YEARS.

FAST UNIVERSAL FOAM ADHESIVE

60 SECONDS

- + INITIAL TACK AFTER 60 SEC
- + READY TO USE, DUST-FREE SOLUTION
- + EXCELLENT ADHESION TO MOST BUILDING MATERIALS
- + HIGH EFFICIENCY



60 Seconds

Fast Universal Foam Adhesive



A multi-purpose foam adhesive with high adhesion to many materials and substrates. The unique formulation based on the TYTACK technology provides fast initial tack after only 60 seconds and does not expand, which ensures the stability of the bonded elements and prevents deformation.

APPLICATIONS:

- OSB boards
- Decorative elements
- Window sills
- Construction of internal walls

BENEFITS:

- Initial high-tack after 60 seconds
- Fast and clean technology
- Ready to use product
- High yield: one can = 1 bag of traditional powder-based bonding
- Patented ERGO applicator (for straw versions)

TECHNICAL PARAMETERS:

- Initial tack: after 60 seconds
- Yield:
 - 750 ml gun: ~ 40 cm
 - 750 ml straw: ~ 30 cm
 - 300 ml straw: ~ 15 cm
- Application temperature: 0°C to +35°C
- Can temperature: +5°C to +35°C
- Open time: < 2 min
- Correction time: < 3 min
- Full curing time: 24 h

| Product name | Content | Packaging | Applicator | Pieces per box | Pieces per pallet |
|---|---------|-----------|------------|----------------|-------------------|
| 60 Seconds Fast Universal Foam Adhesive | 750 ml | Can | Gun | 12 | 624 |
| | 750 ml | Can | ERGO | 12 | 624 |
| | 300 ml | Can | ERGO | 12 | 780 |



TYTAN
PROFESSIONAL

Płyty drewnopochodne
Elementy dekoracyjne
Murowanie
Słupki i słupki
Parapety okienne
Włókna lamelowa



SEKUNDY 60
SZYBKIE PIANOWATE UNIWERSALNY

60 sek.
schnie
początkowo
SZYBKIE
i trwałe
nie
pęka

= do 40 ml.

SELENA GLOBAL



Gasket

Insulating Foam Sealant



TYTAN Professional Gasket Foam creates an airtight seal between framing and drywall. By eliminating air leaks at the top plate, it can improve a home's air efficiency rating by up to 1.6 ACH, helping builders comply with strict energy requirement while reducing heating and cooling expenses.

APPLICATIONS:

- Between drywall and framing
- Attic access doors
- Caps for exterior penetrations

BENEFITS:

- Fast & easy application
- Creates an airtight seal
- Dry and wet climate

TECHNICAL PARAMETERS:

- Application temperature: 0°C to 35°C
- Can temperature: 5°C to 35°C
- Yield – up to 210 lf
- Tack free time – 30 minutes
- Total cure time – 24 hours

Painting Acrylic



A flexible acrylic sealant designed to fill cracks and crevices in walls or ceilings. It is characterized by an excellent adhesion to porous surfaces such as concrete, plaster, brick, wood, ceramics or drywall. Thanks to the product's innovative anti-crack and anti-stain formula the joint can be sanded and painted, without the risk of cracks and discolorations. The cured joint imitates the texture of a wall putty and blends in with the substrate. The joint is ready for painting in just 10 minutes.

APPLICATIONS:

- Filling cracks, gaps and scratches in walls and ceilings
- Filling wall corners
- Pointing joints between the wall and skirting boards, stairs, ceilings, and around electrical sockets
- Sealing door and window frames, window sills and balustrades
- Small repairs before painting

BENEFITS:

- Textured finish which blends in with the substrate
- Anti-crack formula – does not shrink nor crack
- Anti-stain formula
- Can be painted after 10 min without the risk of discoloration and cracking for good quality paints (after 60 min for economy paints)

TECHNICAL PARAMETERS:

- Colour: white
- Curing rate: 1.0 mm / 24 h (+23°C, 50% RH)
- Working time: 5–10 min
- Skin formation time: 10–30 min
- Temperature resistance: -20°C to +80°C
- Movement accommodation: 75%

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|------------------|---------|-----------|----------------|-------------------|
| Painting Acrylic | 280 ml | Cartridge | 12 | 1 440 |

Rapid Filler

Light Acrylic



Ultra-light acrylic putty based on an innovative formula. A smooth white surface can be obtained with a single layer of putty, which makes application quick and easy. The product is characterized by excellent adhesion to porous surfaces, and does not flow off the wall or ceiling. Designed for both interior and exterior use.

APPLICATIONS:

- Filling scratches, cracks, crevices, holes in walls, façades and ceilings
- Sealing joints between drywall panels
- Filling and masking nail holes, screws, pins, etc.
- Minor repairs before painting

BENEFITS:

- Fills cracks and holes with a single layer
- Very easy application
- Excellent adhesion
- Does not shrink nor crack
- Easy sanding – does not clog sandpaper
- Paintable just after 20 minutes

TECHNICAL PARAMETERS:

- Colour: white
- Curing time (layer 1 mm): approx. 10 min
- Curing time (layer 5 mm): 24 h
- Maximum thickness of a single layer: up to 5 mm
- Application temperature: +5°C to +40°C

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|----------------------------|---------|-------------------|----------------|-------------------|
| Rapid Filler Light Acrylic | 250 ml | Plastic container | 6 | 1 536 |
| | 750 ml | Plastic container | 4 | 600 |
| | 280 ml | Cartridge | 12 | 2 016 |

Universal Acrylic



Construction sealant recommended for filling gaps, cracks and crevices in walls. Designed for both interior and exterior use. It can be applied on wet substrates. It has an excellent adhesion to porous substrates, such as concrete, plaster, brick, wood or drywall.

APPLICATIONS:

- Filling gaps, cracks and joints in walls and ceilings before painting
- Pointing joints between the wall and skirting boards, stairs, ceiling and around electrical sockets
- Sealing door and window frames, window sills and balustrades

BENEFITS:

- Excellent adhesion to common construction materials
- Paintable

TECHNICAL PARAMETERS:

- Colour: white, grey, brown
- Application temperature: +5°C to +40°C
- Temperature resistance: -20°C to +80°C
- Skin formation time: 10-12 min
- Curing rate: 1.0 mm / 24 h (+23°C, 50% RH)

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|---------------------------|---------|-----------|----------------|-------------------|
| Acrylic Universal Acrylic | 280 ml | Cartridge | 12 | 1 440 |
| | 600 ml | Film | 12 | 1 152 |



Drywall

Acrylic



A highly flexible sealant based on acrylic resin, recommended for pointing joints in drywall constructions. Designed for both interior and exterior use. It is characterized by an excellent adhesion to common substrates such as drywall, concrete, brick, plaster, wood or stone.

APPLICATIONS:

- Filling corners and all places where two boards connect to each other on two different walls

BENEFITS:

- Very flexible
- No cracks
- Fast curing
- Perfect adhesion to porous surfaces
- Odourless and chemically neutral
- Can be perfectly painted

TECHNICAL PARAMETERS:

- Colour: white
- Working time: 10 to 15 minutes
- Application temperature: from +5°C to +40°C
- Temperature resistance after curing: -20°C to +80°C
- Curing rate: 1,0 mm/ 24 h (+23°C, 50% RH)

| Product name | Content | Packaging | Pieces per box | Pieces per pallet | Colours |
|-----------------|---------|-----------|----------------|-------------------|---------|
| Drywall Acrylic | 280 ml | Cartridge | 12 | 1 440 | White |

Turbo Acrylic

Turbo acrylic is flexible and universal construction sealant, intended for filling cracks, scratches and fissures in walls and ceilings. Thanks to the innovative formula Turbo Acrylic can be painted 10 minutes after application. It is odourless and chemically neutral. Has excellent adhesion to porous surfaces, such as: concrete, plaster, brick, wood and plasterboard. Can be used both indoors and outdoors.



APPLICATIONS:

- Sealing at the corners of walls and ceilings
- Filling scratches, cracks and joints in walls, ceilings and façades
- Sealing door and window frames, window sills, railings
- Connecting construction and building elements subjected to low stress (up to 15%)
- Sealing joints between the wall and skirting boards, stairs, ceiling and sockets
- Minor repairs before painting

BENEFITS:

- Can be painted after 10 min
- Odourless and chemically neutral
- Highly adhesive to porous surfaces
- Indoors and outdoors
- Joint imitates the texture of the plaster
- Flexible joint
- Fast curing

TECHNICAL PARAMETERS:

- Application temperature: +5°C to +40°C
- Skin formation time: 10-20 min
- Working time: 5-10 min
- Temperature resistance: -20°C to +80°C

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|---------------|---------|-----------|----------------|-------------------|
| Turbo Acrylic | 280 ml | Cartridge | 12 | 1 440 |



ACRYLICS SELECTOR

| | Universal Acrylic | Painters Acrylic | Rapid Acrylic | Drywall Acrylic | Façade Acrylic | Turbo Acrylic |
|---------------------------------------|----------------------|---------------------|------------------|--------------------|-------------------|------------------|
| TECHNICAL PARAMETERS | | | | | | |
| Density (ISO 2811-1) [g/ml] | 1.70 ± 0.01 | 1.64 ± 0.02 | 1.58 ± 0.02 | 1.54 ± 0.02 | 1.74 ± 0.01 | 1.58 ± 0.02 |
| Cure rate [mm / 24 h] | 0.5–1.0 | 0.5–1.0 | 0.5–1.0 | 0.5–1.0 | 0.5–1.0 | 0.5–1.0 |
| Skin formation [min] | 10–12 | 10–30 | 10–20 | 25–40 | 15–20 | 10–20 |
| Shore A Hardness (ISO 868) | 52.5 ± 2.5 | 42 ± 2 | 50–60 | 42 ± 2 | 42 ± 2 | 50–60 |
| Movement Accommodation (ISO 9047) [%] | 7.5 | 7.5 | 7.5 | 12.5–15.0 | 7.5 | 7.5 |
| Elastic recovery (ISO 7389) [%] | 20 ± 5 | 20 ± 5 | 20 ± 5 | 35 ± 5 | 20 ± 5 | - |
| Application temperature [°C] | +5 to +40 | +5 to +40 | +5 to +40 | +5 to +40 | +5 to +40 | +5 to +40 |
| Temperature resistance [°C] | -20 to +80 | -20 to +80 | -20 to +80 | -20 to +80 | -20 to +80 | -20 to +80 |



Masking Tape



A single-sided adhesive masking tape with excellent adhesion and good durability. It can be applied to all types of paints.

APPLICATIONS:

- Protection of the paint contamination
- Masking edges and surfaces

BENEFITS:

- Easy-to-use
- Easy-to-remove

TECHNICAL PARAMETERS:

- Elongation at break: 10%
- Paper thickness: 75 µm
- Total thickness: 95 µm
- Temperature resistance: +60°C
- Type of adhesive: Hot-melt
- Colour: yellow

| Product name | Size | Packaging | Pieces per box | Pieces per pallet |
|--------------|--------------|-----------|----------------|-------------------|
| Masking Tape | 25 mm x 25 m | Roll | 90 | 5 184 |
| | 30 mm x 25 m | Roll | 60 | 4 320 |
| | 38 mm x 25 m | Roll | 42 | 3 024 |
| | 48 mm x 25 m | Roll | 36 | 2 592 |
| | 25 mm x 40 m | Roll | 36 | 4 320 |
| | 30 mm x 40 m | Roll | 40 | 3 600 |
| | 38 mm x 40 m | Roll | 24 | 2 880 |
| | 48 mm x 40 m | Roll | 24 | 2 160 |

Premium Masking Tape



Single-sided adhesive tape with a crepe paper backing commonly used for covering edges or surfaces during painting, varnishing, siliconing or other construction and finishing works.

APPLICATIONS:

- Protection of the paint contamination
- Providing accurate painting lines

BENEFITS:

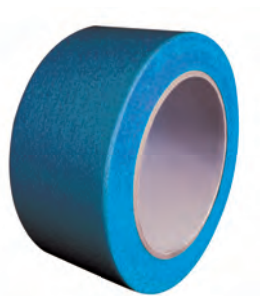
- No adhesive residue
- Easy-to-use
- Easy-to-remove
- For indoor use
- Does not leave adhesive residue

TECHNICAL PARAMETERS:

- Elongation at break: 10%
- Paper thickness: 75 µm
- Total thickness: 95 µm
- Temperature resistance: +60°C
- Type of adhesive: Hot-melt
- Adhesion time: 72 h
- Colour: white

| Product name | Size | Packaging | Pieces per box | Pieces per pallet |
|----------------------|--------------|-----------|----------------|-------------------|
| Premium Masking Tape | 25 mm x 50 m | Roll | 36 | 4 320 |
| | 30 mm x 50 m | Roll | 40 | 3 600 |
| | 38 mm x 50 m | Roll | 24 | 2 880 |
| | 48 mm x 50 m | Roll | 24 | 2 160 |

Masking Tape 14 Days



Easy to use, single-sided adhesive masking tape. Provides good adhesive strength and high precision in painting of edges. This tape is durable, easily removable after use with no glue residue after removal and can be applied for all kinds of paint. Perfect to use indoors and outdoors. It is UV resistant up to 14 days.

APPLICATIONS:

- Protection of the paint contamination
- Providing accurate painting lines inside and outside the building

TECHNICAL PARAMETERS:

- Elongation at break: 10%
- Paper thickness: 80 µm
- Total thickness: 110 µm
- Temperature resistance: +60°C
- Type of adhesive: acrylic

BENEFITS:

- No adhesive residue
- Easy-to-use
- Easy-to-remove
- Does not adhere
- No leaks
- For indoor and outdoor use
- Resistant to UV, rain and other atmospheric factors
- Ideal for: painted walls and mouldings, lacquered wooden surfaces, glass, plastic, metal and many other surfaces

| Product name | Size | Packaging | Pieces per box | Pieces per pallet |
|----------------------|--------------|-----------|----------------|-------------------|
| Masking Tape 14 Days | 25 mm x 25 m | Roll | 40 | 3 600 |
| | 38 mm x 25 m | Roll | 24 | 2 880 |
| | 48 mm x 25 m | Roll | 24 | 2 160 |
| | 25 mm x 50 m | Roll | 36 | 4 320 |
| | 30 mm x 50 m | Roll | 40 | 3 600 |
| | 38 mm x 50 m | Roll | 24 | 2 880 |
| | 48 mm x 50 m | Roll | 24 | 2 160 |

Cover Film



Cover Film makes great protection against paint, dirt, dust and moisture during painting works, repair works and also during transport.

APPLICATIONS:

- Protection of floors, furniture, windows, etc. from dirt during repair works

| Product name | Size | Thickness | Material | Gross weight /pcs | Pieces per box |
|------------------------|--------------|-----------|----------|-------------------|----------------|
| Cover Film Standard | 4 m x 5 m | 5 µm | HDPE | 90 g | 60 |
| Cover Film Thick | 4 m x 5 m | 7 µm | HDPE | 120 g | 40 |
| | 4 m x 12.5 m | 7 µm | HDPE | 315 g | 30 |
| Cover Film Extra Thick | 4 m x 5 m | 28 µm | LDPE | 520 g | 15 |

Cover Film with Tape



Excellent protection of the surface against dirt during painting and repair works.

APPLICATIONS:

- For covering and masking large surfaces (e.g. furniture, walls)
- Providing accurate painting lines and protection from dust, paint contamination etc.

BENEFITS:

- High adhesion to most surfaces
- Does not move during work

| Product name | Size | Material | Gross weight /pcs | Pieces per box |
|----------------------|---------------|----------|-------------------|----------------|
| Cover Film with Tape | 140 cm x 33 m | HDPE | 360 g | 20 |
| | 270 cm x 20 m | HDPE | 400 g | 20 |
| | 55 cm x 33 m | HDPE | 160 g | 48 |



UNCOMPROMISING POWER.

100% of power in 3 hours!

MOUNTING ADHESIVE

FIX² TURBO GT

- + HYBRID TECHNOLOGY
- + VERY HIGH ADHESIVE STRENGTH
- + FAST INITIAL TACK



FIX² GT

Mounting Adhesive



Fast curing and very strong hybrid-based mounting adhesive. Indispensable when we expect rapid bonding (when we want to quickly use the bonded elements). It forms a very strong bond that can be loaded about 30 minutes after application, and reaches its full strength in about 3 hours. The resulting joint perfectly dampens vibrations, is resistant to weather, UV radiation and diluted chemicals.

APPLICATIONS:

- Bonding mirrors with no need in tapes or additional support
- Bonding a wide range of finishing materials to typical surfaces such as: concrete, plaster, chipboard, wood, bricks and glass
- Bonding skirting boards, pedestals, thresholds, panels and ceramic tiles
- Bonding decorative elements of wood, cork, chipboard, metal, stone, laminates, expanded polystyrene (EPS) and marble
- Bonding plastics (except PE, PP and Teflon)

TECHNICAL PARAMETERS:

- Colour: white
- Correction time: 10 min
- Full curing time: 3 h
- Application temperature: +5°C to +30°C
- Temperature resistance after curing: -30°C to +90°C

BENEFITS:

- Cures 8x faster than other traditional mounting adhesives
- Can be loaded after 30 min
- Very high bonding strength: up to 400 kg / 10 cm²
- Bonds all materials
- Contains 2 applicators, the first has a thin nozzle for more precise application, the second for heavy and massive elements
- Can be used on damp substrates
- For interiors and exteriors
- Moisture resistant
- Ecological: does not contain solvents, silicones or isocyanates
- Neutral: does not corrode metals, does not damage sensitive surfaces
- The joint can be painted
- Easy to extrude
- Low VOC emission





Clear

Mounting Adhesive & Sealant

Transparent adhesive-sealant based on MS Hybrid Technology. It is recommended for bonding and sealing of almost all materials and most substrates in modern construction.



APPLICATIONS:

- Sealing of joints, connections and gaps in kitchens and bathrooms
- Bonding and sealing of elements and materials like: wood, glass, mirrors (also varnished), polystyrene, metal, PVC, gypsum, plasterboard, stainless steel, galvanized steel, artificial and natural stone, concrete, brick, cork, ceramics, porcelain, mineral wool and glass wool in any combination
- Bonding of decorative elements, hobby works and minor repairs
- Bonding of furniture, bent elements, drain pipes, non-construction elements such as in trailers, container semi-trailers (including refrigerated ones), etc., and minor roof repairs

BENEFITS:

- Colourless joint
- Resistant to mould and fungus growth
- Does not corrode metals, does not damage sensitive surfaces
- Joint can be painted
- Can be used on moist (not wet) surfaces
- Indoor and outdoor usage
- Excellent adhesion to most materials used in finishing jobs (except PE, PP, Teflon and bitumen)
- UV resistant

TECHNICAL PARAMETERS:

- Colour: transparent
- Skin formation time: 10 min
- Curing time: 2–4 mm / 24 h
- Working time: 20–25 min
- Temperature resistance (after curing): -30°C to +80°C
- Application temperature: +5°C to +30°C
- Full curing time: 24 hours

Elastic

Mounting Adhesive & Sealant

Elastic adhesive-sealant based on MS Hybrid Technology. It is recommended for bonding and sealing of almost all materials and most substrates in modern construction. Creates strong and flexible joint which deadens vibrations, expansion and contraction.



APPLICATIONS:

- Bonding of wide range of finishing materials to typical surfaces, such as: concrete, wood, gypsum, brick, glass, stone, cork and polystyrene
- Bonding of baseboards, plinths, doorsteps, floor panels, ceramic tiles, plaster and chipboard
- Sealing connections subjected to vibration (also in wet areas)

TECHNICAL PARAMETERS:

- Colour: white
- Working time: 15 min
- Skin formation time: ~10 min
- Temperature resistance after curing: -30°C to +80°C
- Application temperature: +5°C to +30°C
- Full curing time: 24 h

BENEFITS:

- Elastic joint
- Deadens vibrations, expansion and contraction
- High resistance to UV radiation
- Can be used indoors and outdoors
- Does not contain solvents, silicones or isocyanates
- Does not corrode metals, does not damage sensitive surfaces
- Resistant to changing weather conditions and moisture
- The joint can be painted



Instant Invisible Mounting Adhesive



Instant Invisible is an innovative adhesive based on MS Hybrid Technology with a quick initial grip and high adhesive strength. It has a crystal clear colour which is perfect for clean and invisible finishes. The product is chemically neutral, which means, it does not contain solvents or isocyanates, does not corrode metals, does not destroy nor decolorize sensitive surfaces.

APPLICATIONS:

- Bonding elements where invisible joint is required
- Bonding a wide range of finishing materials to typical surfaces, such as: concrete, wood, brick, glass, metal, plastic substrates, stone and cork
- Bonding of baseboards, plinths, doorsteps, floor panels, ceramic tiles and chipboard

BENEFITS:

- A crystal clear colour for clean and invisible finishes
- Durable initial tack
- High bonding strength – up to 300 kg/10 cm²
- Flexible joint
- Excellent adhesion to most surfaces, both porous and non-porous
- High resistance to UV radiation
- Can be used indoors and outdoors
- Does not contain solvents, silicones or isocyanates
- Does not corrode metals, does not damage sensitive surfaces
- Resistant to changing weather conditions and moisture

TECHNICAL PARAMETERS:

- Colour: crystal clear
- Skin formation time: 9 min
- Pre-curing time: 2 h
- Working time: 15-20 min
- Temperature resistance after curing: -40°C to +90°C
- Application temperature: +5°C to +30°C
- Full curing time: 24 h

Classic Fix Mounting Adhesive

Mounting Adhesive



Colourless solvent-based adhesive recommended for different mounting and finishing jobs, particularly where a transparent and durable joint is required.

APPLICATIONS:

- Bonding different materials including: brick, concrete, plaster, glass, wood, drywall, mineral and glass wool, plastics, metal, ceramics and other materials
- Recommended for bonding skirting boards, thresholds, panels, wooden or plastic boards, ceramic tiles, window sills, glass and metal with any type of surface used in construction
- For interior and exterior use
- Not suitable for polystyrene

BENEFITS:

- Transparent joint
- High bonding strength
- Excellent adhesive properties
- Easy to extrude and apply

TECHNICAL PARAMETERS:

- Colour: transparent
- Working time: 10–15 min
- Full curing time: minimum 72 h
- Application temperature: +10°C to +30°C
- Temperature resistance after curing: -20°C to +60°C

| Product name | Content | Packaging |
|--------------|---------|---------------------------|
| Classic Fix | 100 ml | Aluminium tube in blister |
| | 310 ml | Cartridge |



Hydro Fix

Mounting Adhesive

Universal, solvent-free mounting adhesive for bonding various materials to absorbent substrates. Comes out as white, after curing becomes transparent. A great choice for bonding items requiring precision when the joint is fully or partially visible. The product is intended for indoor use.



APPLICATIONS:

- Excellent adhesion to most common construction and finishing materials such as concrete, plaster, chipboard, ceramic tiles, wood, panels and foam, and mineral wool
- Bonding plaster and polyurethane coffers, rosettes and cornices
- Decorative and finishing PVC, polystyrene and various wood derivatives
- Slats, panels and plastic, wood boarding
- Suitable for interior applications

BENEFITS:

- Transparent joint (after curing)
- Forms a durable bond
- Solvent-free formula
- Resistant to moisture

TECHNICAL PARAMETERS:

- Colour: transparent
- Working time: 20–30 min
- Full curing time: 72 h
- Application temperature: +10°C to +30°C
- Temperature resistance after curing: -20°C to +60°C

| Product name | Content | Packaging |
|--------------|---------|--------------|
| Hydro Fix | 150 ml | Plastic tube |
| | 310 ml | Cartridge |

PU FIX

Mounting Adhesive Polyurethane

Mounting Adhesive

Polyurethane adhesive characterised by excellent adhesion to most substrates and very high bonding strength, high mechanical resistance and good filling properties. After curing, it forms an exceptionally strong bond, resistant to water (water resistance class D4), chemicals and changing weather conditions. Can be used indoors and outdoors. Does not contain solvents.



APPLICATIONS:

- Indoor and outdoor bonding of window sills and treads from: wood, marble, stone, PVC to concrete and thresholds
- Bonding of skirting boards, wall panels, finishing elements made of: wood, wood-based materials (MDF, HDF), PVC, foamed polystyrene
- Bonding of elements and materials such as wood, glass, metal, PVC, ceramics in any combination
- Bonding of decorative elements, hobby work, minor repairs

BENEFITS:

- high water resistance (joint achieves water resistance of class D4 according to PN-EN 204 standard)
- high temperature resistance
- high final strength
- gap filling capability- suitable for application on uneven surfaces
- suitable for exterior and interior applications
- thixotropic consistence - does not flow down from vertical surfaces

TECHNICAL PARAMETERS:

- Colour: beige
- Working time: 5-7 min
- Application temperature: +15 °C - +25°C
- Temperature resistance: -40 °C - +80°C
- Full curing time: 24 h

| Product name | Content | Packaging |
|--------------|---------|-----------|
| PU FIX | 290 ml | Cartridge |
| | | |

Decor Express Mounting Adhesive

Mounting adhesive based on water dispersion with immediate initial tack in 5 seconds. Designed for bonding a variety of decorative and finishing materials to porous substrates. The joint can be painted once cured.



APPLICATIONS:

- Bonding horizontally and vertically elements made of polystyrene like ceiling cornice, rosettes, coffers, decorative panels
- Bonding skirting boards, profiles, plinths, wall panels, window sills and thresholds
- Bonding common building materials such as: wood, rigid PVC, polystyrene, ceramic tiles, boards and foams, and mineral wool
- Note: at least one of the bonded surfaces must be absorbent

BENEFITS:

- Fast initial tack
- Solvent-free and odourless
- Low VOC emission
- Joint can be painted

TECHNICAL PARAMETERS:

- Colour: white
- Working time: 10-15 min
- Application temperature: +10°C to +30°C
- Temperature resistance after curing: -20°C to +60°C
- Full curing time: 48 h

| Product name | Content | Packaging |
|---------------|---------|--------------|
| Decor Express | 210 g | Plastic tube |
| | 310 ml | Cartridge |

Multi-Use Mounting Adhesive

Universal, contact adhesive recommended for mounting and finishing works. Bonds almost all surfaces (absorbent and non-absorbent) in any combination. It can be used indoors and outdoors.



APPLICATIONS:

- Bonding skirting boards, socles, thresholds, wall panels and ceramic tiles
- Bonding decorative elements made of wood, gypsum, cork, chipboard, metal, stone, polystyrene, PVC and glass
- Bonding of absorbent and non-absorbent materials (one to another or in any combination)
- For interior and exterior use

BENEFITS:

- High and strong initial tack
- Flexible joint
- Excellent adhesion to most substrates
- Resistant to moisture and changing weather conditions
- Water resistant

TECHNICAL PARAMETERS:

- Colour: beige
- Working time: 10-15 min
- Application temperature: +10°C to +30°C
- Full curing time: up to >48 h
- Temperature resistance after curing: -20°C to +60°C



WALLS & CEILINGS

For our walls and ceilings to be a showcase of our rooms and to be safe and durable we should take care of several aspects. First of all the substrate preparation. The substrate should be clean, dry, without cracks or voids. Smaller cracks and voids can be filled with the use of Rapid Filler compound. In order to balance the substrate absorptivity and to enhance the grip of the wall, the priming of these surfaces should be carried out. The recommended primers at this stage are Multigrunt. After priming, the ideal smoothness of walls and ceilings can be obtained thanks to Finish Plus Dolomite Plaster Putty. This ready-to-use mixture of bonding agents, dolomite filler and modifiers is perfect for manual application or with the use of an airless hydrodynamic unit. The compound speeds the work up, dries quickly and leaves the surface snow white. To seal corners and smooth out any irregularities after sanding, we recommend Universal Acrylic, which can also be used for sealing door jambs, window frames and sills at points of contact

with walls. These points are especially exposed to the risk of cracking, for example the connections between a plasterboard suspended ceiling and a wall. This is why we fill them with Drywall Acrylic as it forms a very elastic and exceptionally resilient joint. Finally walls and ceilings should be primed one more time before painting.

Professional Interior Paints

The choice of the right paint adds a touch of character to the interior. The paint should harmonize with the general design and create a unique ambience. It should also be long lasting, easy to use and safe. For the living room or in the bedroom we recommend the Regular Plus Acrylic Paint. Latex Plus Paint is recommended for intensively used rooms such as kitchens or dining rooms, and for all walls and ceilings which require intensive and frequent washing and scrubbing - in such places as restaurants, canteens, offices etc. In poorly ventilated places with high moisture levels we should use antifungal paints which prevent the growth of fungi and moulds on walls. The product intended for such premises is Aqua Plus Hybrid Paint.



REGULAR PLUS Acrylic Paint

Living rooms, bedrooms, bathrooms, offices and conference halls



INVEST DYNAMIC Acrylic Paint

Residential rooms, offices and utility rooms



LATEX PLUS Latex Paint

Intensively used rooms, kitchens and canteens





Regular Plus

Interior Acrylic Paint



The interior acrylic paint Regular Plus of Decorative System is designated for primary and renovation painting of all mineral substrates, such as: gypsum plaster, cement plaster, cement and lime plaster, lime plaster, mineral and acrylic plaster, concrete and gypsum-carton boards. Recommended for painting walls and ceilings inside "dry" residential rooms, such as living rooms, dining rooms, bedrooms, halls, offices and conference rooms.

BENEFITS:

- SCRUB resistant – resistant to scrubbing and washing
- COLOUR safe perfect coat
- USER friendly – easy-to-use (manual and spray)
- Excellent covering-up properties
- High efficiency
- Deep matt coat
- No splash effect
- No streaking effect
- COLOUR system – wide range of colours
- Based on acrylic dispersion

TECHNICAL PARAMETERS:

- Resistance to wet scrubbing: class III acc. to PN-EN 13300; class I acc. to PN-C-81914:2002
- Application temperature: +5°C to +25°C
- Drying time: approx. 3–6 h depending on drying conditions
- Coverage rate* in one layer: approx. 7–8 m², two layers: 4–5 m²
- Gloss grade: matt
- 9 l bucket coverage in two layers: up to 54 m²



* Assumed consumption: depending on the smoothness and absorption of the substrate, on average approx. 0.2 l/m² with two coats.

| Product name | Content | Packaging | Pieces per pallet | Colours |
|---|---------|-----------|-------------------|---|
| Regular Plus Interior Acrylic Paint DS32 | 9 l | Bucket | 33 | White or in accordance with the Tytan Colour Collection |
| | 4.5 l | Bucket | 100 | |
| | 2.5 l | Bucket | 120 | |

Latex Plus

Interior Latex Paint



The interior latex paint Latex Plus of the Decorative System is suitable for primary and renovation coating of all mineral substrates: gypsum, cement, cement-lime plasters, mineral and acrylic plasters, concrete and gypsum plaster boards. Recommended for painting walls and ceilings in heavy duty rooms, such as kitchens and dining rooms, restaurant interiors, office rooms and wherever the highest resistance to washing and scrubbing is required.

BENEFITS:

- Easy-to-clean
- SCRUB resistant – supreme resistance to scrubbing and washing
- COLOUR safe supreme coating
- USER friendly – comfortable application (manual and spray)
- Excellent covering-up properties
- Highest efficiency
- Deep matt coat
- No splash effect
- No streaking effect
- COLOUR system – wide range of colours
- Based paint with latex resin

TECHNICAL PARAMETERS:

- Resistance to wet scrubbing: class I acc. to PN-EN 13300; class I acc. to PN-C-81914:2002
- Application temperature (surface, air, materials): +5°C to +25°C
- Drying time: approx. 3–6 h depending on drying conditions
- Coverage rate* in one layer: approx. 12 m², two layers: from 7 m²
- Gloss grade: matt or semi-matt
- 9 l bucket coverage in two layers: up to 60 m²



* Assumed consumption: depending on the smoothness and absorption of the substrate, on average approx. 0.2 l/m² with two coats.

| Product name | Content | Packaging | Pieces per pallet | Colours |
|---|---------|-----------|-------------------|---|
| Latex Plus Interior Latex Paint DS33 | 9 l | Bucket | 33 | White or in accordance with the Tytan Colour Collection |
| | 4.5 l | Bucket | 100 | |
| | 2.5 l | Bucket | 120 | |

Invest Dynamic Interior Acrylic Paint



The interior acrylic paint Invest Dynamic of the Decorative System is designated for primary and renovation painting of all mineral substrates: gypsum plaster, cement plaster, cement and lime plaster, lime plaster, mineral and acrylic plaster, concrete and gypsum boards. Recommended for painting of walls and ceilings inside "dry" rooms, such as offices, utility rooms, industrial spaces, warehouses and residential buildings.

BENEFITS:

- USER friendly – easy-to-use (manual and spray)
- Good covering-up properties
- Good efficiency
- Resistant to dry scrubbing
- Smooth matt coat
- No splash effect
- No streaking effect
- Based on acrylic dispersion

TECHNICAL PARAMETERS:

- Resistance to wet scrubbing: class III acc. to PN-EN 13300; class III acc. to PN-C-81914:2002
- Application temperature (surface, air, materials): +5°C to +25°C
- Drying time: approx. 3–6 h depending on drying conditions
- Coverage rate* in one layer: approx. 7–8 m², two layers: 4–5 m²
- Gloss grade: matt
- 10 l bucket coverage in two layers: up to 50 m²
- Parameters for spraying with AIRLESS type equipment:
 - pressure: 150–180 bar
 - spraying angle: 50°
 - nozzle size: 0.015–0.017 inch
 - filter: 50 mesh



* Assumed consumption: depending on the smoothness and absorption of the substrate, on average approx. 0.2 l/m² with two coats.

| Product name | Content | Packaging | Pieces per pallet | Colours |
|---|---------|-----------|-------------------|---------|
| Invest Dynamic Interior Acrylic Paint DS31 | 10 l | Bucket | 33 | White |

Finish Plus Dolomite Plaster Putty



Finish Plus dolomite plaster putty of the Decorative System is recommended for final preparation of all seasoned mineral substrates before painting.

APPLICATIONS:

- For interior use
- Seasoned mineral substrates, mineral and acrylic plasters, drywall

BENEFITS:

- USER friendly – easy-to-use (manual and spray)
- For levelling walls and ceiling
- Durable
- White colour

TECHNICAL PARAMETERS:

- Application temperature: +5°C to +25°C
- Drying time: 3–24 h
- Consumption: 1.8 kg/m²

| Product name | Content | Packaging | Pieces per pallet | Colours |
|--|---------|-----------|-------------------|---------|
| Finish Plus Dolomite Plaster Putty DS21 | 9 l | Bucket | 72 | White |
| | 19 l | Bucket | 36 | White |
| | 25 l | Bucket | 40 | White |



Universal Primer Concentrate



Universal primer concentrate for absorbent and porous substrates, both for interior and exterior use.

APPLICATIONS:

- Priming absorbent and porous substrates (cellular concrete, concrete, cement boards, gypsum boards, drywalls, gypsum, cement and cement-lime plasters)
- Primer for paints, plasters, wallpapers, cement jointless floors, levelling and self-levelling floors, spackling pastes, adhesives, ceramic tiles, acrylic and mineral mixtures
- Protective coating for screed

TECHNICAL PARAMETERS:

- Consumption: 0.01–0.05 l/m²
- Coverage: even up to 400 m², dilution 1:5

BENEFITS:

- Reduces absorption of porous substrates
- Reinforces substrates to be covered with wallpaper and tiles
- Increases adhesion to the substrate
- Facilitates removal of wallpaper during renovation
- Increases resistance and flexibility of the substrate
- For interior and exterior use

| Product name | Content | Packaging | Pieces per pallet |
|------------------|---------|-----------|-------------------|
| Universal Primer | 5 l | Canister | 108 |
| | 1 l | Bottle | 648 |

Deep Penetrating Primer



Fine-particle acrylic emulsion primer for absorbent and porous substrates, both for interior and exterior use. The primer deeply penetrates into the substrate.

APPLICATIONS:

- Priming absorbent and porous substrates (cellular concrete, concrete, cement boards, gypsum boards, drywalls, gypsum, cement and cement-lime plasters)
- Coating for paints, plasters, wallpapers, cement jointless floors, levelling and self-levelling floors, spackling pastes, adhesives, ceramic tiles, acrylic and mineral mixtures
- Protective coating for screed

TECHNICAL PARAMETERS:

- Consumption: 0.05–0.2 l/m²

BENEFITS:

- Penetrates deeply into the substrate
- Increases adhesion to the substrate
- Reinforces the substrate, eliminating dusting or excessive abrasion
- Protects the substrate against damage from moisture
- Reduces absorption of porous substrates
- For interior and exterior use

| Product name | Content | Packaging | Pieces per pallet |
|------------------|---------|-----------|-------------------|
| Deep Penetrating | 5 l | Canister | 108 |
| | 1 l | Bottle | 648 |

Multigrunt

Primer



Multigrunt is a concentrated primer based on two types of acrylic dispersion which strengthen the substrate, levelling the absorbency and increasing the adhesion of screeds, adhesives, plasters, and interior and exterior paints. Penetrates the substrate, strengthens the surfaces, binds the loose particles and limits the water absorption of the substrate.

APPLICATIONS:

- Cement substrate, gypsum, anhydrite, plasterboard, autoclaved aerated concrete blocks, cement plasters, cement-lime plasters and gypsum plasters

BENEFITS:

- Increases adhesion
- Strengthens substrate
- For internal and external use
- For adhesives, plasters, paints and floor levelling

TECHNICAL PARAMETERS:

- Application temperature (substrate, air, materials): +5°C to +30°C
- Consumption without dilution: approx. 0.2 l per 1 m²/l depending on the evenness and absorption of substrate
- Drying time: approx. 3 h
- Drying time before continuing work: 6 h after priming

| Product name | Content | Packaging | Pieces per pallet | Colours |
|-----------------------|---------|-----------|-------------------|-------------|
| Multigrunt Primer S01 | 5 l | Canister | 108 | Transparent |

Contact Premium Primer For Demanding Surfaces



Contact premium primer for demanding surfaces is a ready-to-use product based on acrylic dispersion with the addition of quartz aggregate. It increases the roughness of the substrate and strengthens and improves the adhesion of the layers. In the case of mixed substrates, it evens out and regulates their absorbency. It is used, for example, in renovations without hammering - in particular in the installation of ceramic tiles on old ceramic or stone cladding and with heated floors.

APPLICATIONS:

- Preparation of a rough bonding layer on non-absorbent substrates intended for pouring self-levelling masses, applying putty, plastering machines, bonding ceramic tiles, etc.
- For interior and exterior use on dry and seasoned concrete, prefabricated elements, old ceramic cladding, gypsum boards, paint coatings (panelling), OSB boards, terrazzo and other mineral substrates

TECHNICAL PARAMETERS:

- Colour: blue
- Drying time: 1-2 hours
- Adhesion to concrete: min. 1 MPa
- Approx. yield: 150g / 1m²
- Application temperature: +5°C to +25°C

BENEFITS:

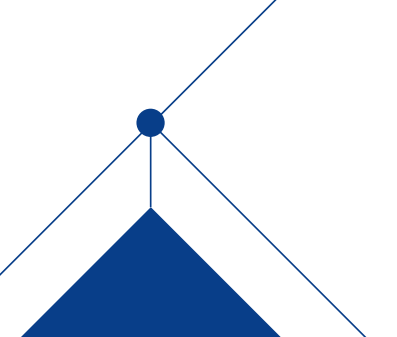
- Increases roughness and strengthens the substrate - contains quartz sand
- High performance
- Ideal for use in tile over tile systems - renovation without hammering
- Can be used for heated floors
- Balances the absorbency of the substrate
- For interior and exterior use, on walls and floors
- For absorbent and non-absorbent substrates
- Ready to use

| Product name | Content | Packaging | Pieces per pallet |
|---|---------|-----------|-------------------|
| Contact Premium Primer For Demanding Surfaces | 1.5 kg | Bucket | 6 |
| | 4 kg | Bucket | 1 |



FLOORING



- Parquet Systems
 - Elastic Floor Covering Systems
- 



Stylish floors featuring great aesthetics help to create unique ambience and add character to any interior. Artelit & Tytan, owing to its systemic approach and a large portfolio of products, offers professional solutions tailored to every type of flooring project and the needs of all users. Artelit & Tytan flooring systems are characterized by the highest standards in quality and durability, as valued by installers as well as the end users. It is worth mentioning that all systems are compatible with underfloor heating options. Thanks to worldwide experience and the expertise of our technical advisers, Selena guarantees professional support in selecting the best products for every project.

The Selena system offers:

- Systemic solutions for wooden floors, elastic coverings and tiles
- High quality and durability appreciated by installers and end users
- Floor finishing for traditional and modern design floors
- Technical support and advice on the best selection of products



PARQUET SYSTEMS



- 222 WB-220 Universal Dispersion Primer
- 222 PB-235 Low-Emission 1C PU Primer
- 223 PB-230 1C PU Primer
- 224 RB-860 Rubber Adhesive for Parquets
- 224 PB-835 1C PU Adhesive for Parquets
- 225 PB-890 2C PU Adhesive for Parquets
- 225 PB-890 R 2C PU Adhesive for Parquets – Rapid
- 226 HB-810 STP Hybrid Adhesive for Parquets
- 226 HB-820 MS Polymer Adhesive for Parquets
- 228 FS-415 Solvent-Based Parquet Filler
- 228 FW-400 Water-Based Parquet Filler
- 229 S-460 Solvent-Based Priming Varnish
- 229 W-430 Water-Based Primer
- 230 PW-460 2C PU-Based Varnish
- 230 PW-465 2C PU-Based Varnish
- 231 PA-470 1C Acrylic PU-Based Varnish
- 231 PW-480 1C Water PU-Based Varnish
- 232 AB-441 2C Acid Varnish
- 232 KH-440 1C Alkyd Varnish
- 233 OL-610 Fast-Drying Parquet Oil
- 233 OL-610 Oil Hardener
- 233 OL-610 Oil Thinner
- 234 OL-611 Coloured Parquet Oil
- 234 OL-620 Parquet Oil
- 235 OL-650 Oil-Wax for Parquets
- 235 OL-670 Wax
- 236 OL-680 Soap for Oil
- 236 OL-690 Oil Care
- 237 PM-100 Floor Cleaner
- 237 PM-120 Parquet Care

Parquet Systems

In order to enjoy a long lasting floor, the proper preparation for each stage of the installation is essential:

1. Substrate preparation – make sure that the moisture content of the substrate is not higher than 2% for cement substrates and 0.5% for anhydrite substrates, and that the strength is at least 25 MPa. Substrates must be clean, seamless and free of defects, including cracks.
2. The choice of an adhesive is important for each type and size of wood element – for exotic wood only polyurethane and hybrid adhesives are suitable, while for European wood we can choose any type of adhesive. The larger the glued element, the more resilient and stronger the adhesive should be. This is because larger elements expand and contract more due to fluctuations in temperature and humidity in the interior.
3. The choice of topcoat finish – oil, varnish or wax – depends on the purpose of the floor and the desired final look.



Modern Floor System

The most popular types of floor include modern, traditional and sports floors.

Modern floors are characterized by non – standard designs, colour, finish, board length and mixed technologies, such as oil – varnish topcoats. In this category of floors, the Artelit Professional system offers a combination of the following products: primers – depending on the absorptivity of the substrate we recommend WB-290 or WB-280 Primers, LC-710 Self-Levelling Compound, HB-810 Hybrid Adhesive for Parquets, FS-415 Gap Filler, OL-611 Coloring Oil, and PW-465 Two-Component Varnish.



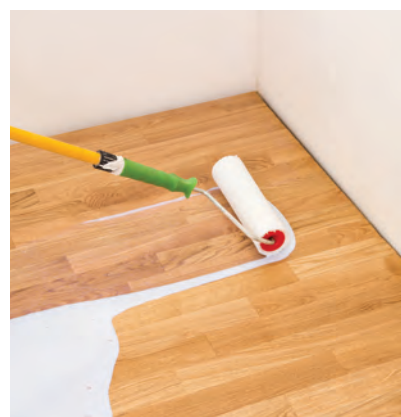
Artelit Professional offers a wide choice of colours of oils in step with current trends in interior design:



Traditional Floor System

Traditional floors mainly involve parquet in herringbone and mosaic patterns. This category also includes the renovation of historic interiors. Here the ideal solution is: WB-290 or WB-280 Primer, LC-735 Cement Screed, PU PB-890 Parquet Adhesive, FS-415 Gap Filler, S-460 Solvent-Based Priming Varnish, PW-480 Topcoat Varnish.

Artelit varnishes are available in all sheens: matt, semi-gloss and high gloss.



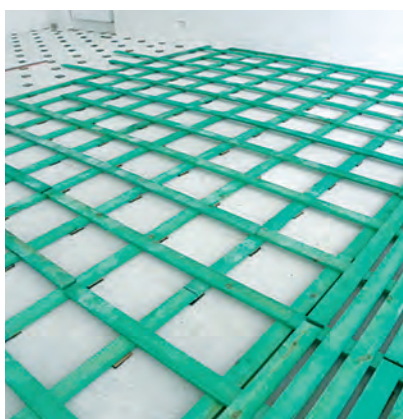
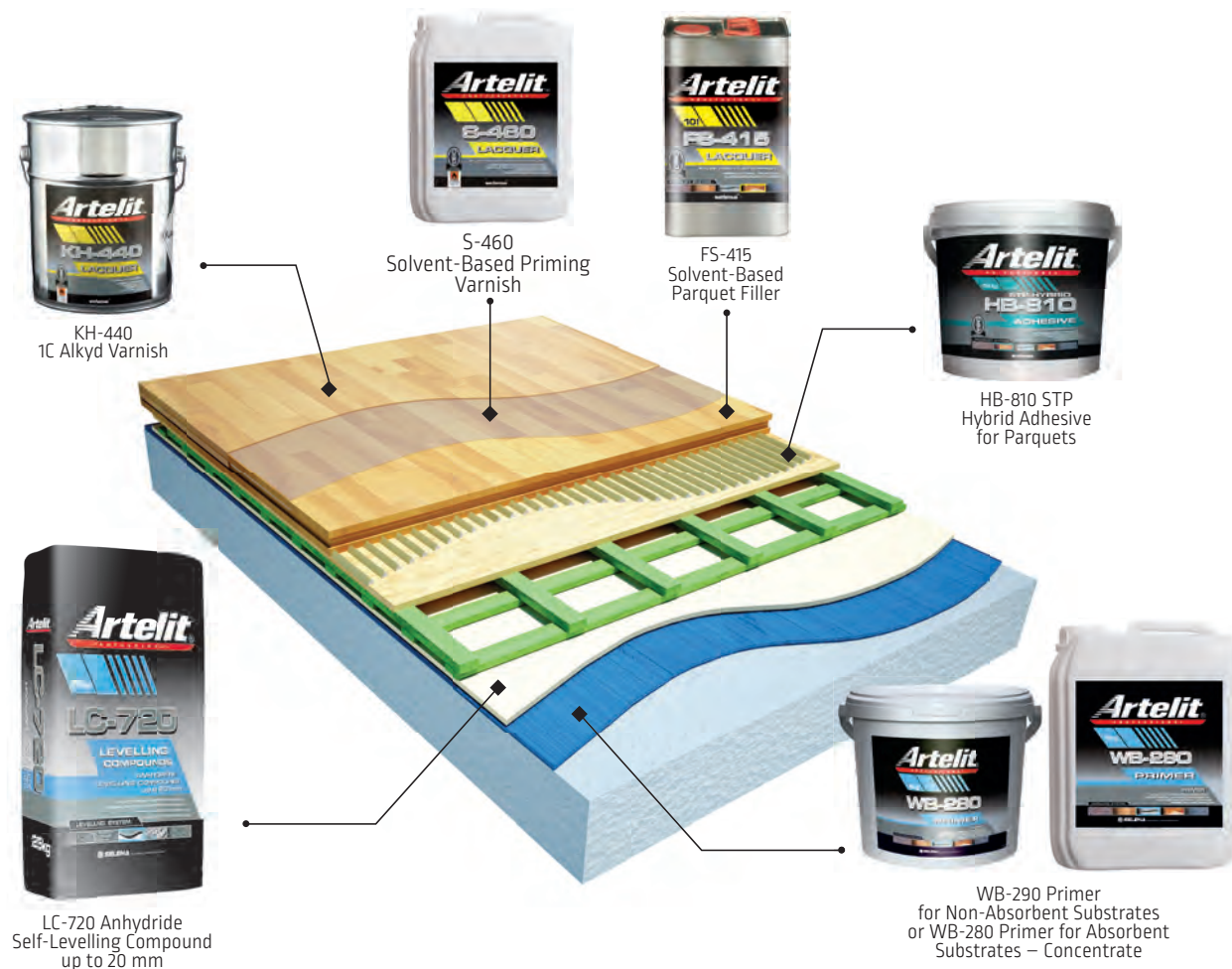
Sports Floor System

Sports floors are mainly installed in sports halls and recreational facilities. Sports flooring systems have to comply with specific requirements. Unlike wooden floors installed in residential interiors or public utility buildings, sports floors must be permanently elastic. They can be divided into three categories: point-elastic, area-elastic and combi-elastic, the latter combining the properties of the first two.

Flexibility is just one factor for sports flooring as there are also other parameters: deformation, ball bounce, friction and dynamic load. One of the key features of sports flooring is the anti-slip properties, which ensures the safety of the players. These safety standards are defined in the DIN 18032 standard. Artelit Professional varnishes and care products dedicated for sports flooring have been certified in compliance with the DIN 18032 standard, so that they are not only durable but also safe for sports players.

The Artelit Professional System for Sports Floors includes WB-290 and WB-280 Primer (depending on the substrate absorptivity), Self-Levelling Compound, HB-810 Hybrid Adhesive for Parquets, FS-415 Gap Filler, S-460 Solvent-Based Priming Varnish and KH-440 Alkyd Topcoat Varnish.

KH-440 Topcoat Varnish and OL-610 Oil Have Anti-Slip Attestations for Sports Floorings.



WB-220

Universal Dispersion Primer



Water based primer designed for the priming of absorbent and non-absorbent substrates. Especially recommended before application of WB-840 Dispersion Adhesive for Parquets or the WB-965, WB-975, WB-976, WB-982 and WB-981. Adhesives for Floor Coverings.

APPLICATIONS:

- Priming of absorbent screeds and plastered surfaces
- Improving adhesion for non-absorbent substrates

TECHNICAL PARAMETERS:

- Ready for covering: up to 4 h (at +20°C)
- Coverage: 0.2–0.3 l/m²

BENEFITS:

- Reduces adhesive consumption
- Reinforces substrate surface
- Penetrates deeper into pores
- Easy application with a roller or brush

| Product name | Content | Packaging | Pieces per pallet |
|------------------------------------|---------|-----------|-------------------|
| WB-220 Universal Dispersion Primer | 5 l | PE Bucket | 108 |

PB-235

Low-Emission 1C PU Primer



This single-component, fast-drying, polyurethane-based primer ensures even absorption and easy application of the adhesive. Recommended for use prior to the application of PU based parquet adhesives (Artelit PB-830, Artelit PB-890) and STP Hybrid polymer adhesives (Artelit HB-810).

APPLICATIONS:

- For interior and exterior use
- Suitable for absorbent and non-absorbent construction surfaces, such as concrete, wood, anhydride compounds, levelling compounds and wooden boards, including fibreboard
- Ideal for use on dusty surfaces

TECHNICAL PARAMETERS:

- Ready for covering: 90 min (at +20°C)
- Coverage: 0.15–0.4 l/m²

BENEFITS:

- Reduces coverage of adhesives
- Reinforces the substrate
- Binds dust
- Improves resistance of substrate against water
- Fast and easy application
- Suitable for underfloor heating systems

| Product name | Content | Packaging | Pieces per pallet |
|---------------------------|---------|-----------|-------------------|
| PB-235 | 5 l | Canister | 120 |
| Low-Emission 1C PU Primer | 10 l | Canister | 60 |

PB-230

1C PU Primer



Single-component polyurethane primer designed for treatment of absorbent and non-absorbent substrates prior to the application of a polyurethane based adhesive for parquets (such as ARTELIT PB-830, ARTELIT PB-890). The pink colour facilitates identification of the prepared surfaces.

APPLICATIONS:

- Suitable for absorbent and non-absorbent construction substrates

BENEFITS:

- Flexible
- For underfloor heating
- Layer thickness: 2–10 mm
- Water and frost resistant

TECHNICAL PARAMETERS:

- Ready for covering: 24 h (at +20°C)
- Coverage: 0.25-0.45 l/m²
- Mixing ratio:
 - 1 for absorbent substrates (petroleum, acetone)
 - 1:2 for medium absorbent substrates
 - 1:2 for non-absorbent substrates

| Product name | Content | Packaging | Pieces per pallet |
|---------------------|---------|-----------|-------------------|
| PB-230 1C PU Primer | 4.5 l | Canister | 108 |
| | 9 l | Canister | 80 |



| TYPE OF ADHESIVE | | | |
|------------------|--------|--------|--------|
| | WB-220 | PB-230 | PB-235 |
| RB-860 | | | |
| PB-835 | | | |
| PB-890 | | | |
| PB-890R | | | |
| HB-810 | | | |
| HB-820 | | | |



RECOMMENDED



NOT RECOMMENDED

RB-860

Rubber Adhesive for Parquets



This SBR rubber based adhesive is suitable for bonding various types of flooring on common construction substrates, such as concrete, cement and anhydride compounds, levelling compounds and wood. It does not contain water, which makes it ideal for use with moisture-sensitive parquets. Not recommended for exotic woods.

APPLICATIONS:

- Bonding of standard, lamellar and multi-layer parquets, mosaics and cork
- Especially recommended for moisture-sensitive wood such as beech, birch and oak

BENEFITS:

- High initial bonding strength
- Very good resistance against ageing and moisture
- Permanently flexible bond
- Water-free
- Suitable for underfloor heating systems

TECHNICAL PARAMETERS:

- Solid content: > 70%
- Working time: 10–15 min (at +20°C)
- Coverage: 0.65–1.3 kg/m² (B2–B3 racking)
- Sanding and varnishing: 3–4 days after installation

| Product name | Content | Packaging | Pieces per pallet |
|------------------------------|---------|-----------|-------------------|
| RB-860 | 21 kg | Bucket | 33 |
| Rubber Adhesive for Parquets | 12 kg | Bucket | 44 |

PB-835

1C PU Adhesive for Parquets



Single-component polyurethane-based adhesive, especially designed for strong and flexible bonding of parquet on absorbent and non-absorbent construction surfaces. Especially good on substrates of ceramic tiles, natural stone and wood. Available in an innovative type of packaging containing 3 x 5 kg film packs.

APPLICATIONS:

- Bonding of all types of parquets
- Suitable for exotic wood

BENEFITS:

- High initial bonding strength
- Very good resistance against ageing, moisture and temperature changes
- Permanently flexible bond
- Free of solvents and harmful volatile substances
- Water-free
- Suitable for underfloor heating systems
- Fast and easy application

TECHNICAL PARAMETERS:

- Solid content: > 70 %
- Working time: up to 70 min (at +20°C)
- Coverage:
 - 0.5–0.9 kg/m² (smooth substrates)
 - 0.9–1.7 kg/m² (rough and uneven substrates)
- Sanding and varnishing: 1.5–2 days after installation
- Ready for foot traffic: after 24 h

| Product name | Content | Packaging | Pieces per pallet |
|------------------------------------|------------------|-----------|-------------------|
| PB-835 1C PU Adhesive for Parquets | 15 kg (3 x 5 kg) | Bucket | 55 |

PB-890

2C PU Adhesive for Parquets

This two-component, water and solvent-free polyurethane adhesive has very good adhesion to absorbent and non-absorbent construction substrates, such as concrete, cement and anhydride compounds, levelling compounds, wood etc.



APPLICATIONS:

- Bonding all types of parquet, especially parquets 10 mm thick
- Wooden boards up to 22 mm thick, and wooden blocks
- Parquets of beech, maple and exotic wood

BENEFITS:

- High strength parameters
- Very good resistance against ageing, moisture and temperature changes
- Permanently flexible bond
- Suitable for underfloor heating systems
- Fast and easy application

TECHNICAL PARAMETERS:

- Solid content: 100%
- Working time: < 90 min (at +20°C)
- Coverage: 0.7-1.5 kg/m² (smooth substrates)
- Sanding and varnishing: 3 days after installation
- Ready for foot traffic: after 24 h

| Product name | Content | Packaging | Pieces per pallet |
|-----------------------------|--------------|-----------------|-------------------|
| PB-890 | 9 + 1 kg | Bucket + bottle | 55 |
| 2C PU Adhesive for Parquets | 4.5 + 0.5 kg | Bucket + bottle | 80 |

PB-890 R

2C PU Adhesive for Parquets – Rapid

This two-component, water and solvent-free adhesive offers very good adhesion to absorbent and non-absorbent construction substrates, such as concrete, cement and anhydride compounds, levelling compounds, wood etc. To increase adhesion, use ARTELIT Polyurethane primer PB-235 or PB-230.



APPLICATIONS:

- Bonding all types of parquet, especially parquets 10 mm thick
- Wooden boards up to 22 mm thick, and wooden blocks
- Parquets of beech, maple and exotic wood

BENEFITS:

- Working time – up to 60 min
- Easy spreading
- Very good adhesion
- Highly flexible bond
- Excellent resistance against moisture and ageing
- Suitable for floors with underfloor heating systems

TECHNICAL PARAMETERS:

- Working time: < 60 min (at +20°C)
- Sanding: after 72 h
- Final strength: 3 days
- Coverage: 0.7–1.5 kg/m²

| Product name | Content | Packaging | Pieces per pallet |
|-------------------------------------|--------------|-----------------|-------------------|
| PB-890 R | 9 + 1 kg | Bucket + bottle | 55 |
| 2C PU Adhesive for Parquets – Rapid | 4.5 + 0.5 kg | Bucket + bottle | 80 |

HB-810

STP Hybrid Adhesive for Parquets

Adhesive based on a hybrid polymer, suitable for bonding of various types of flooring.
Does not contain isocyanides, solvents or water.

APPLICATIONS:

- Ideal for installation of parquets and other wooden floors
- Recommended also for difficult types of wood, such as: beech, maple, exotic wood and all types of wood sensitive to moisture

BENEFITS:

- Very good adhesion
- High torsional strength
- Very good resistance against ageing, moisture and temperature changes
- Permanently flexible bond
- Suitable for underfloor heating systems
- Fast and easy application

TECHNICAL PARAMETERS:

- Solid content: 90%
- Working time: < 90 min (at +20°C)
- Coverage: 0.65–1.2 kg/m² (depending on the substrate and spreader type)
- Sanding and varnishing: 3 days after installation
- Final strength: 7 days



| Product name | Content | Packaging | Pieces per pallet |
|---|---------|-----------|-------------------|
| HB-810 STP Hybrid Adhesive for Parquets | 15 kg | Bucket | 44 |

HB-820

MS Polymer Adhesive for Parquets

Parquet adhesive based on MS polymer, does not contain isocyanides, solvents or water.
It adheres perfectly to most substrates such as wood, concrete and stone.

APPLICATIONS:

- Bonding traditional parquet, boards, laminated parquet
- Resin-impregnated parquet flooring and varnished parquet
- Recommended for European and exotic parquet (teak, bamboo, etc.)

BENEFITS:

- Very good adhesion
- Very good resistance against ageing, moisture and temperature changes
- Flexible bond
- Suitable for underfloor heating systems
- Fast and easy application

TECHNICAL PARAMETERS:

- Solid content: 90%
- Working time: < 90 min (at +20°C)
- Coverage: 0.8–1.4 kg/m² (depending on the substrate and spreader type)
- Sanding and varnishing: 3 days after installation
- Final strength: 7 days



| Product name | Content | Packaging | Pieces per pallet |
|---|---------|-----------|-------------------|
| HB-820 MS Polymer Adhesive for Parquets | 15 kg | Bucket | 44 |

| TYPE OF PARQUET | RB-860 | PB-835 | PB-890 | PB-890R | HB-810 | HB-820* |
|--------------------|--------|--------|--------|---------|--------|---------|
| Oak | | | | | | |
| Ash | | | | | | |
| Beech | | | | | | |
| Acacia | | | | | | |
| Cherry | | | | | | |
| Hornbeam | | | | | | |
| Sycamore | | | | | | |
| Fir | | | | | | |
| Larch | | | | | | |
| Pine | | | | | | |
| Spruce | | | | | | |
| Merbau | | | | | | |
| Teak | | | | | | |
| Badi | | | | | | |
| Kempas | | | | | | |
| Iroko | | | | | | |
| Doussié | | | | | | |
| Jotoba | | | | | | |
| Lapacho | | | | | | |
| Guatambu | | | | | | |
| Sucupira | | | | | | |
| Amarant | | | | | | |
| Bambus | | | | | | |
| Tauri | | | | | | |
| Padouk | | | | | | |
| Kotibe | | | | | | |
| Palisander | | | | | | |
| Mahogany | | | | | | |
| Kosipo | | | | | | |
| Traditional mosaic | | | | | | |

* HB-820 up to 60 cm solid wood and laminated board.



RECOMMENDED



NOT RECOMMENDED



FS-415

Solvent-Based Parquet Filler



Solvent-Based Parquet Filler recommended for filling joints of widths up to 2 mm.

APPLICATIONS:

- Ideal for all types of parquet and other wooden floors

BENEFITS:

- Very fast drying
- Ready for covering
- Very good sandability
- Excellent filling properties
- Very good adhesion to edges
- For immediate use

TECHNICAL PARAMETERS:

- Coverage/layer: 0.05-0.10 l/m²
- Drying time at +23°C / 50% r.h.: 15-30 min for one layer (depending on the size of the joint, temperature and vaporization)
- Application with stainless steel knife

| Product name | Content | Packaging | Pieces per pallet |
|------------------------------|---------|------------|-------------------|
| FS-415 | 10 l | Tin bucket | 60 |
| Solvent-Based Parquet Filler | 5 l | Tin bucket | 120 |

FW-400

Water-Based Parquet Filler



Water-Based Parquet Filler recommended for filling joints of widths up to 2 mm.

APPLICATIONS:

- Ideal for all types of parquet and other wooden floors

BENEFITS:

- Very fast drying
- Very good sandability
- Excellent filling properties
- Can be mixed with sawdust of all types of wood
- For immediate use

TECHNICAL PARAMETERS:

- Coverage/layer: 0.05-0.07 l/m²
- Drying time at +23°C / 50% r.h.: 30-60 min for one layer (depending on the joint size, temperature and vaporization)
- Application stainless steel filler knife

| Product name | Content | Packaging | Pieces per pallet |
|-----------------------------------|---------|-----------|-------------------|
| FW-400 Water-Based Parquet Filler | 5 l | Canister | 96 |

S-460

Solvent-Based Priming Varnish

Single-component solvent-based priming varnish recommended for use prior to the application of the top coating on all types of parquet and other wooden floors.

APPLICATIONS:

- All types of parquet and other wooden floors
- Especially suitable for exotic woods and old floors
- Seek technical advice when applying the product on smoke oak or strongly absorbent types of wood

BENEFITS:

- Fast drying
- Warm grain accentuation
- No edge gluing
- For immediate use

TECHNICAL PARAMETERS:

- Coverage/layer: 0.08-0.10 l/m²
- Drying time at +23°C / 50% r.h.:
 - second layer after 1 h
 - varnishing after 2-3 h
- Maximum time for application of top coating: 18 h
- Application with a roller or stainless steel knife



| Product name | Content | Packaging | Pieces per pallet |
|-------------------------------------|---------|-----------|-------------------|
| S-460 Solvent-Based Priming Varnish | 5 l | Canister | 128 |

W-430

Water-Based Primer

Single-component water-based primer recommended for use prior to the application of the top coating on all types of parquet and other wooden floors.

APPLICATIONS:

- All types of parquet and other wooden floors
- Not suitable for direct use on smoked oak or on exotic and fruit-tree wood (in such cases we recommend using Artelit primer S-460 first)

BENEFITS:

- Fast drying
- High content of dry matter
- Reduced edge gluing
- For immediate use

TECHNICAL PARAMETERS:

- Coverage/layer: 0.1-0.15 l/m²
- Drying time at 23°C / 50% r.h.:
 - 2 h after application with a roller
 - 30 min after application with a spreader
- Maximum time for application of the top coating: 12 h
- Application with a roller or stainless steel knife



| Product name | Content | Packaging | Pieces per pallet |
|--------------------------|---------|-----------|-------------------|
| W-430 Water-Based Primer | 5 l | Canister | 128 |

PW-460

2C PU-Based Varnish

Two-component parquet varnish based on PU resin in water dispersion, available in gloss, semi-gloss and matt.

APPLICATIONS:

- Provides optimal protection of parquet and other wooden floors in heavy traffic areas
- Not suitable for direct use on smoked oak or on exotic and fruit-tree wood (in such cases we recommend using Artelit primer S-460 first)

BENEFITS:

- NMP-free
- Easy application with a roller
- High saturation of coating
- High mechanical resistance

TECHNICAL PARAMETERS:

- Mixing ratio: 10:1
- Coverage/layer: 0.1-0.15 l/m²
- Pot life: 2 h
- Drying time at +23°C / 50% r.h.:
 - second layer after 4-6 h
 - careful use after 48 h
 - final hardness after 7-10 days



| Product name | Content | Packaging | Pieces per pallet |
|------------------------------|-------------------|-----------|-------------------|
| FS-415 | 4.3 l – Varnish | Canister | 60 |
| Solvent-Based Parquet Filler | 0.26 l – Hardener | Bottle | 120 |

PW-465

2C PU-Based Varnish

Two-component parquet varnish based on PU resin in water dispersion, available in gloss, semi-gloss and matt. One of the key features of the varnish is the anti-slip properties according to safety standards defined in the DIN 18032 standard.

APPLICATIONS:

- Provides optimal protection of parquet and other wooden floors in heavy traffic areas
- Suitable for floors exposed to very high stress
- Not suitable for direct use on smoked oak or on exotic and fruit-tree wood (in such cases we recommend using Artelit primer S-460 first)

BENEFITS:

- NMP- free
- Long pot life
- High filling power
- Short curing time
- Easy application with a roller

TECHNICAL PARAMETERS:

- Mixing ratio: 10:1
- Coverage/layer: 0.1-0.15 l/m²
- Pot life: 3 h
- Drying time at +23°C / 50% r.h.:
 - second layer after 4-6 h
 - careful use after 24 h
 - final hardness after 7 days



| Product name | Content | Packaging | Pieces per pallet |
|----------------------------|------------------|-----------|-------------------|
| PW-465 2C PU-Based Varnish | 4.5 l – Varnish | Canister | 128 |
| | 0.6 l – Hardener | Bottle | 128 |

PA-470

1C Acrylic PU-Based Varnish

Single-component parquet varnish based on a PU-acrylate resin, available in semi-gloss.



APPLICATIONS:

- Provides optimal – high quality and ecological – protection of parquets and other wooden floors in residential areas
- Not suitable for direct use on smoked oak or on exotic and fruit-tree wood (in such cases we recommend using Artelit primer S-460 first)

BENEFITS:

- Free of NMP
- Easy application with a roller
- For residential areas
- Minimum negative impact on wood
- Good resistance against shoe heels and scratching

TECHNICAL PARAMETERS:

- Coverage/layer: 0.1-0.15 l/m²
- Drying time at +23°C / 50% r.h.:
 - second layer after 3-5 h
 - careful use after 48 h
 - final hardness after 7–10 days

| Product name | Content | Packaging | Pieces per pallet |
|-----------------------------|---------|-----------|-------------------|
| PA-470 | 5 l | Canister | 120 |
| 1C Acrylic PU-Based Varnish | 10 l | Canister | 60 |

PW-480

1C Water PU-Based Varnish

Single-component parquet varnish based on a PU-resin dispersed in water, available in gloss, semi-gloss and matt.



APPLICATIONS:

- Provides optimal – high quality and ecological – protection of parquets and other wooden floors in high traffic areas
- Not suitable for direct use on smoked oak or on exotic and fruit-tree wood (in such cases we recommend using Artelit primer S-460 first)

BENEFITS:

- Free of NMP
- Easy application with a roller
- Minimum negative impact on wood

TECHNICAL PARAMETERS:

- Coverage/layer: 0.1-0.15 l/m²
- Drying time at +23°C / 50% r.h.:
 - second layer after 3-5 h
 - careful use after 48 h
 - final hardness after 7–10 days

| Product name | Content | Packaging | Pieces per pallet |
|----------------------------------|---------|-----------|-------------------|
| PW-480 1C Water PU-Based Varnish | 5 l | Canister | 128 |

AB-441

2C Acid Varnish



Two-component acid curing varnish intended for use in high traffic areas, for floors and stairs.

APPLICATIONS:

- Especially developed for interior wood surfaces
- Suitable for floors and stairs thanks to its high abrasion resistance

BENEFITS:

- Very high abrasion resistance
- Quick curing
- High solid content
- Application with a roller, metal trowel or spray (airless or cup spray gun is also possible)

TECHNICAL PARAMETERS:

- Coverage/layer: 0.1-0.15 l/m²
- Drying time at +23°C / 50% r.h.:
 - second layer after 3-4 h
 - careful use after 24 h
 - final hardness after 7-10 days

| Product name | Content | Packaging | Pieces per pallet |
|------------------------------|-------------------|-----------|-------------------|
| FS-415 | 4.5 l – Varnish | Canister | 60 |
| Solvent-Based Parquet Filler | 0.45 l – Hardener | Bottle | 120 |

KH-440

1C Alkyd Varnish



Single-component sealing coat based on a high-quality urethanised alkyd in mild (de-aromatised) solvents.

APPLICATIONS:

- Sealing of all parquet, cork and other wooden floors
- Suitable also for problematic floors such as parquet installed on underfloor heating, sports floors, industrial parquet flooring, wood-block paving

BENEFITS:

- Anti-slip
- High solid content
- Easy-to-apply

TECHNICAL PARAMETERS:

- Coverage/layer: 0.08-0.1 l/m²
- Drying time at +23°C / 50% r.h.:
 - second layer after 14-16 h
 - careful use after 48 h
 - final hardness after 10-14 days

| Product name | Content | Packaging | Pieces per pallet |
|-------------------------|---------|-----------|-------------------|
| KH-440 1C Alkyd Varnish | 5 l | Bucket | 120 |
| | 10 l | Bucket | 60 |

OL-610

Fast-Drying Parquet Oil



Fast-drying oil which protects and finishes wood surfaces. To improve mechanical and chemical resistance of the floor (and to achieve faster drying as well), we recommend to mix it with the OL-610 Hardener in the ratio of 10:1.

APPLICATIONS:

- Designed for parquets and other wooden floors

BENEFITS:

- Based on natural oil
- High solid content
- Free of solvents according to TRGS 617
- Easy and fast application with a roller

TECHNICAL PARAMETERS:

- Coverage/layer: 0.025-0.04 l/m²
- Drying time at +23°C / 50% r.h.:
 - second layer after 1 h
 - coating with water-based varnish after 24 h
 - coating with solvent-based varnish after 48 h

| Product name | Content | Packaging | Pieces per pallet |
|--------------------------------|---------|-----------|-------------------|
| OL-610 Fast-Drying Parquet Oil | 2.5 l | Can | 105 |

OL-610

Oil Hardener



Isocyanide-based hardener for OL-610 Fast-drying Parquet Oil.

BENEFITS:

- Mixes easily with OL-610
- Improves mechanical and chemical resistance of the floor
- Speeds up drying

TECHNICAL PARAMETERS:

- Mixing ratio: 10 parts of OL-610 and 1 part hardener OL-610
- Pot life: 2 h at +23°C / 50% r.h.

| Product name | Content | Packaging | Pieces per box |
|---------------------|---------|-----------|----------------|
| OL-610 Oil Hardener | 0.5 l | Metal can | 24 |

OL-610

Oil Thinner



Thinner compatible with KH-440 and AB-441 varnishes as well as the oil line. Also suitable for cleaning of tools or polluted surfaces. Improves penetration of varnish or oil into wood, but reduces the content of dry matter.

BENEFITS:

- Thinned materials are more fluid and penetrate better and deeper into the timber structure
- Free of aromatic substances

| Product name | Content | Packaging | Pieces per box |
|--------------------|---------|-----------|----------------|
| OL-610 Oil Thinner | 1 l | Metal can | 12 |



OL-611

Coloured Parquet Oil

High quality interior coloured oil designed for parquets and other new or original wooden floors. To protect the colour, the floor can also be treated with the 2C water-based AB-441 varnish, KH-440 Urethane-Alkyd Varnish or OL-650 Oil-Wax. Available colours: teak, smoked oak, olive, white, grey, and walnut.



BENEFITS:

- Enriches the wood with a beautiful colour
- Based on natural oil
- Wide colour range
- Fast and easy application with a roller
- Colour shades can be mixed together to create your own colour tone

TECHNICAL PARAMETERS:

- Coverage/layer: 0.025-0.04 l/m²
- Drying time at +23°C / 50% r.h.: 1 h
 - second layer after 48 h
 - coating with water-based varnish after 3 days
 - coating with solvent-based varnish after 10-14 days
 - careful use after 3 days (2c oil after 1 day)
 - final hardness after 10 days (2c oil after 3 days)

Oil Colours:



| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|-----------------------------|---------|-----------|----------------|-------------------|
| OL-611 Coloured Parquet Oil | 1 l | Metal can | 11 | 396 |

OL-620

Parquet Oil

Oil for surface finishing and impregnation of wooden floors in interiors. The product is based on natural oils and is characterised by its high solid content and easy application.



APPLICATIONS:

- For wooden floors and parquets
- Suitable for hard and soft wood

BENEFITS:

- Based on natural oil
- High solid content
- Easy application with a roller
- Penetrates easily into the substrate due to low density

TECHNICAL PARAMETERS:

- Coverage/layer: 0.07-0.1 l/m²
- Drying time at +23°C / 50% r.h.:
 - second layer after 60 min
 - careful use after 3 days
 - final hardness after 8-10 days

| Product name | Content | Packaging | Pieces per pallet |
|--------------------|---------|-----------|-------------------|
| OL-620 Parquet Oil | 5 l | Canister | 128 |

OL-650

Oil-Wax for Parquets

A mixture of oil and wax which forms a hard layer after application. Designed for surface finishing of parquets and other wooden floors, making them more resistant against dirt and stains. Also suitable for the treatment of floors coated with OL-611 Coloured Parquet Oil.



APPLICATIONS:

- For parquets and other wooden floors
- Suitable for hard and soft wood
- Ideal for heavy traffic areas: corridors, industrial parquets

BENEFITS:

- Based on natural oils, resins and waxes
- Easy application with a roller
- Simple maintenance

TECHNICAL PARAMETERS:

- Coverage/layer: 0.05-0.08 l/m²
- Drying time at +23°C / 50% r.h.:
 - second layer after 24 h
 - careful use after 3 days
 - final hardness after 10-14 days

| Product name | Content | Packaging | Pieces per pallet |
|-----------------------------|---------|-----------|-------------------|
| OL-650 Oil-Wax for Parquets | 5 l | Bucket | 90 |

OL-670

Wax

Floor maintenance product based on natural wax and mild solvents.



APPLICATIONS:

- Maintenance of wooden floors treated with OL-650 Oil-Wax or other Artelit oils

BENEFITS:

- Easy to apply
- Does not contain preservatives
- Water-resistant
- Antistatic and anti-slip

TECHNICAL PARAMETERS:

- Coverage: 30-40 ml/m² for a single application
- Drying time: 1-3 h

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--------------|---------|-----------|----------------|-------------------|
| OL-670 Wax | 1 l | Metal can | 12 | 432 |

OL-680

Soap for Oil

A special soap designed for cleaning and maintaining oiled and waxed wooden surfaces. An additional care product (maintenance oil, wax) must be applied at appropriate intervals, as required by the care instructions.



APPLICATIONS:

- Suitable for cleaning oiled and waxed wood surfaces

BENEFITS:

- Highly concentrated soap combination
- No added scents or preservatives
- Lipid regulating effect
- Based on natural vegetable oils

TECHNICAL PARAMETERS:

- Consumption: approx. 100 ml per 10 l of water
- Diluting/cleaning agent: water immediately after use
- Application: standard mops
- Drying time: 30-60 min

| Product name | Content | Packaging | Pieces per pallet |
|---------------------|---------|-----------|-------------------|
| OL-680 Soap for Oil | 5 l | Metal can | 90 |

OL-690

Oil Care

Floor maintenance product based on natural oils and mild solvents, especially designed for oiled wooden floors.



APPLICATIONS:

- Maintenance of oiled wooden floors
- Not suitable for waxed floors

BENEFITS:

- Free of chlorinated solvents and aromatics
- Free of preservatives
- Easy to use

TECHNICAL PARAMETERS:

- Diluting/cleaning agent: OL-610 Thinner
- Coverage: 20-40 ml/m² per application
- First use: after approx. 24 h
- Drying time: 12 h

| Product name | Content | Packaging | Pieces per pallet |
|-----------------|---------|-----------|-------------------|
| OL-690 Oil Care | 5 l | Metal can | 90 |

PM-100

Floor Cleaner



Highly efficient, water-based cleaner for all types of water-resistant flooring.

APPLICATIONS:

- Cleaning varnished parquets, ready-made parquets, linoleum, PVC or laminate flooring

BENEFITS:

- Highly efficient
- Enhances floor appearance

TECHNICAL PARAMETERS:

- Consumption: approx. 0.1 l/7-8 l water
- Drying time: 30-60 min
- Application with a cloth

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|----------------------|---------|-----------|----------------|-------------------|
| PM-100 Floor Cleaner | 0.75 l | Bottle | 15 | 432 |

PM-120

Parquet Care



Water-based product suitable for maintenance of all water-resistant floors. Forms a protective layer resistant to scratches and dirt. PM-120 Parquet Care does not require polishing.

APPLICATIONS:

- Maintenance of varnished parquets, ready-made parquets, as well as linoleum and PVC coverings
- Suitable for sports surfaces in accordance with DIN 18032-2

BENEFITS:

- Forms a protective layer
- High resistance against abrasion and scratching

TECHNICAL PARAMETERS:

- Coverage/layer: 0.03-0.05 l/m²
- Drying time at +23°C / 50% r.h.:
 - further treatment after 2 h
 - careful use after 2-4 h
- Application with a cloth

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|---------------------|---------|-----------|----------------|-------------------|
| PM-120 Parquet Care | 0.75 l | Bottle | 15 | 432 |



ELASTIC FLOOR COVERING SYSTEMS

- 244 WB-280 Primer for Non-Absorbent Substrates
- 244 WB-290 Primer for Absorbent Substrates - Concentrate
- 244 EB-270 Epoxy Primer
- 246 LC-705 Self-Levelling Compound up to 5 mm
- 247 LC-710 Classic Self-Levelling Compound up to 10 mm
- 247 LC-735 Cement Screed up to 35 mm
- 248 WB-965 Carpet Adhesive
- 248 WB-975 PVC Adhesive
- 249 WB-976 Linoleum Adhesive
- 249 WB-977 Conductive Adhesive for Floor Coverings
- 250 WB-981 Special Universal Adhesive for Floor Coverings
- 250 WB-982 Universal Dispersion Adhesive for Floor Coverings
- 251 WB-984 Fixing Adhesive
- 251 WB-986 Anti-Slip Fluid for Carpet Coverings
- 252 PB-985 2C PU Adhesive for Elastic Coverings

Elastic Floor Covering Systems

Elastic Floor Covering Systems enjoy growing popularity owing to their diversified designs, modern materials and the comfort they offer. Elastic carpets are installed mainly in public utility buildings. Project investors appreciate the qualities, especially in children's rooms and bedrooms.

The durability of a carpet depends partly on the correct selection of the type and its professional installation.

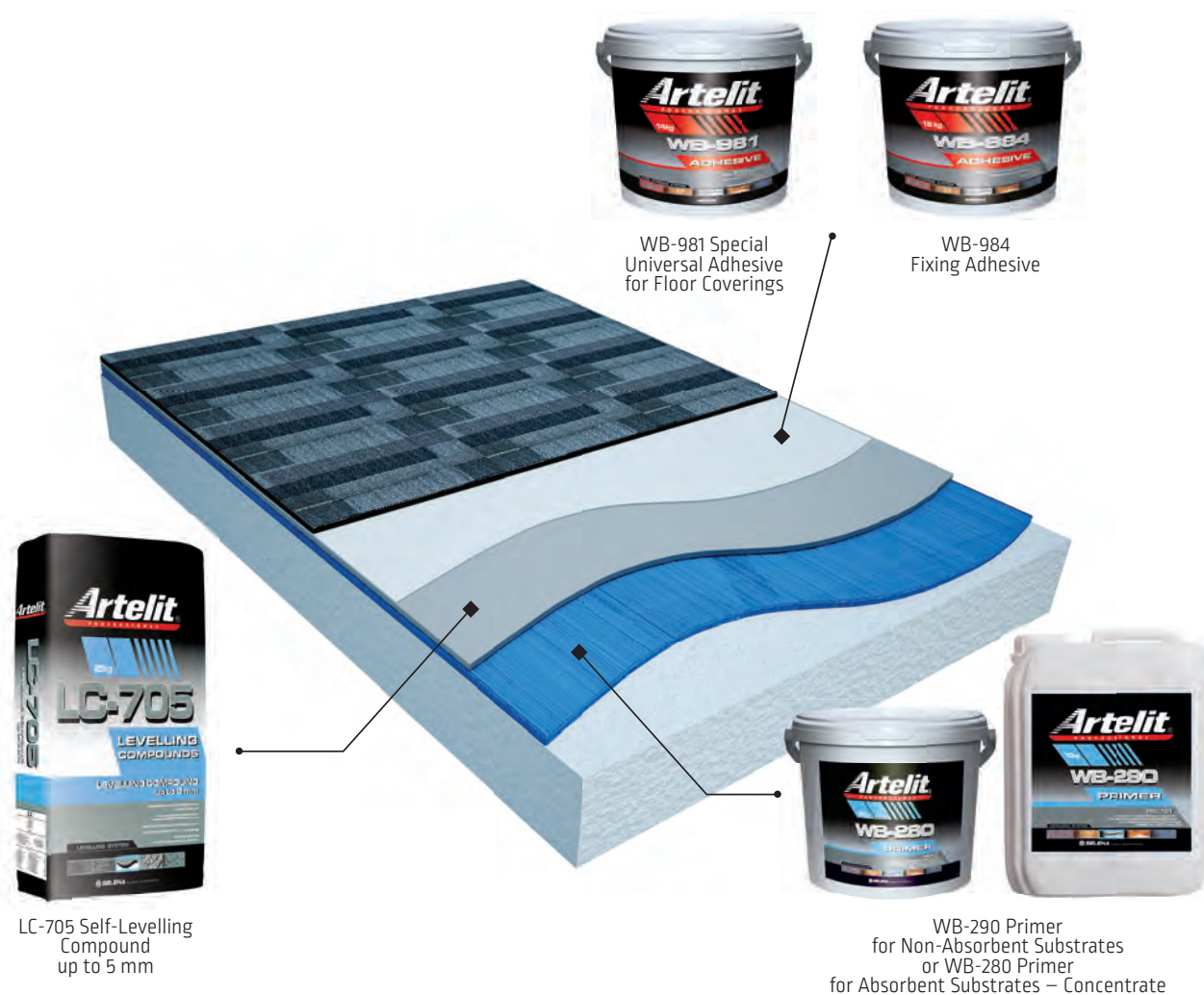
Extra attention should be paid to:

1. The preparation of the substrate, including the avoidance of irregularities. In the case of random defects of the substrate, the LC-705 Levelling Compound should be applied. Minimal strength of the substrate should be 16 MPa and its moisture content should not exceed 2% for cement substrates and 0.5% for anhydrite substrates.
2. The correct choice of adhesive depends on the type of carpet and where it is used. The Artelit Professional system includes a series of products dedicated for various types of carpet.



Modern Elastic Floor System

Modern Elastic Floor System includes mainly technologically advanced materials, such as carpet tiles and LVT (Luxury Vinyl Tiles). Carpet tiles are extremely popular in offices because of the ease with which the specific elements can be exchanged. As for the LVT tiles, they offer long-term usage and they come in a rich choice of patterns and designs. Artelit Professional system meets all the requirements for successful installation of this type of carpet. We recommend the WB-290 or WB-280 Primers, depending on the absorptivity of the substrate. LC-700 Levelling Compound, LC-705 Self-Levelling Compound, WB-981, WB-984, or WB-986 adhesives.



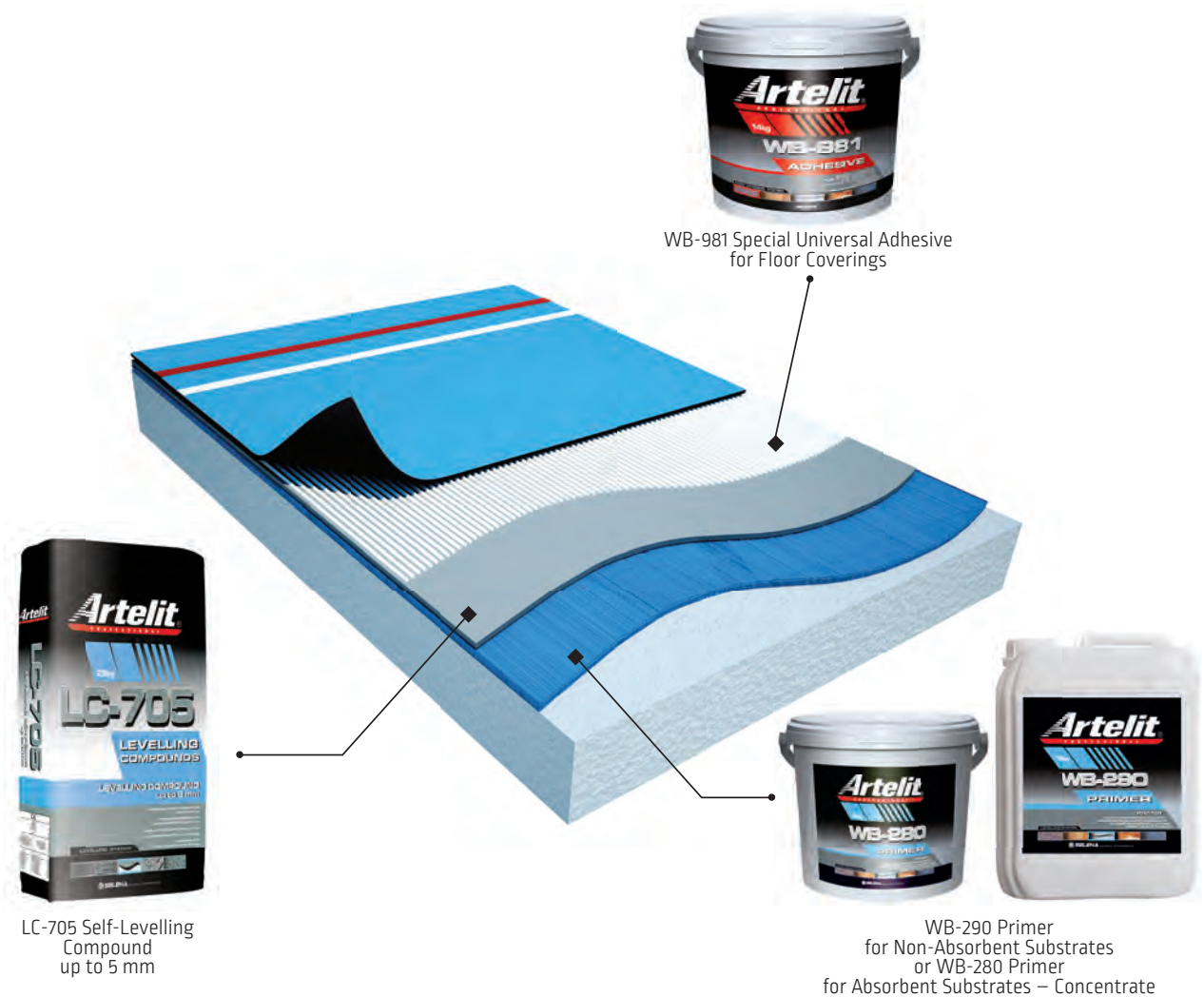
Traditional Elastic Floor System

Traditional Elastic Floors mainly comprise fitted carpets and PVC floor coverings, commonly used in schools, offices, hospitals and residential buildings. Project investors choose them thanks to their aesthetic values, the comfort they offer and the ease and quickness of installation. The most commonly used items from the Artelit Professional system for traditional carpets are: WB-280 or WB-290 Primers (depending on the absorptivity of the substrate), LC-700 Levelling Compound, LC-705 Self-Levelling Compound, WB-965 Carpet Adhesive and WB-975 PVC Adhesive.



Sports Carpet System

Sports carpets are installed primarily in modern sports halls, in compliance with the DIN 1803-2 standard. They have to meet the requirements of elasticity and resilience. The installation of a sports floor starts with substrate preparation and installation of the wooden grating, which is then covered with the panels onto which the carpet is eventually glued. The Artelit Professional system offers the following products for the installation of sports carpets: WB-280 or WB-290 depending on the absorptivity of the substrate, LC-705 Self-Levelling Compound and WB-981 Adhesive.





WB-280

Primer for Non-Absorbent Substrates



Single-component primer designed for smooth and non-absorbent substrates.

APPLICATIONS:

- Ideal for application on old ceramic tiles, PVC, CV flooring, linoleum, natural stone, terrazzo, bitumen substrates, original epoxy paints, OSB boards, wooden subflooring, etc.
- Not recommended for surfaces permanently exposed to water
- For interior and exterior use

TECHNICAL PARAMETERS:

- Coverage/layer: 0.1–0.13 l/m², undiluted
- Application temperature: min +15°C
- Drying time at +20°C / 50% r.h.: 0.5–1 h
- Temperature resistance: < +50°C

BENEFITS:

- EC1 Plus
- Fast-drying, ready to use
- Solvent-free
- Resistant to water
- For walls and floors
- For underfloor heating systems
- Free of unpleasant smells
- Application with a roller or brush

| Product name | Content | Packaging | Pieces per pallet |
|--------------|---------|-----------|-------------------|
| WB-280 | 5 l | Bucket | 90 |

WB-290

Primer for Absorbent Substrates – Concentrate



Primer for absorbent substrates, reducing the absorption of water, increasing adhesion of the substrate and protecting dry construction materials, e.g. plaster substrates, against moisture. When mixed with a cement compound, it creates an ideal bonding slurry for application in demanding conditions or on difficult substrates.

APPLICATIONS:

- Ideal for use on concrete, cement compounds, plaster substrates, fast-drying screeds, etc.
- For interior and exterior use.

BENEFITS:

- Odourless and solvent-free
- With pigment for identification of treated surfaces
- For underfloor heating systems
- Can be diluted with water up to the proportion of 1:5
- For walls and floors
- Application with a roller or brush

TECHNICAL PARAMETERS:

- Coverage/layer: 0.04–0.1 l/m², depending on absorption of the substrate and mixing ratio
- Application temperature: min +15°C
- Drying time at +20°C / 50% r.h.: approx. 10–30 min
- Drying on plaster substrates: 24 h to create a separation layer

| Product name | Content | Packaging | Pieces per pallet |
|--------------|---------|-----------|-------------------|
| WB-290 | 10 l | Canister | 60 |

EB-270

Epoxy Primer



This epoxy primer is ideal for the preparation of substrates with increased residual moisture ≤ 4.0% cm. Can be diluted with water (up to 1.5 l), according to the type of application.

APPLICATIONS:

- Can be applied on absorbent, non-absorbent and smooth substrates, vertical and horizontal surfaces
- For interior and exterior use

TECHNICAL PARAMETERS:

- Working time: up to 2 h
- Ready for foot traffic: 30–60 min
- Coverage: 0.2–0.35 kg/m² with two-layer coating

BENEFITS:

- Forms an ideal contact layer in connection
- with silica sand
- Free of solvents according to TRGS 610
- For underfloor heating systems
- Excellent penetration into the substrate
- High spreading rate
- Easy application using a roller or brush

| Product name | Content | Packaging | Pieces per pallet |
|--------------|---------|-----------|-------------------|
| EB-270 | 3.5 kg | Bucket | 45 |



| ARTELIT PRIMERS | WB-280 | WB-290 | EB-270 |
|---|------------|-----------------|--------------------------------|
| CHEMICAL BASE | DISPERSION | DISPERSION | EPOXY |
| Consumption (kg/m²)* | 0.1–0.13 | 0.05–0.08 | 0.2–0.25 (0.35 without water) |
| Density (g/m³) | 1.3 | 1.04 | 1.1 |
| Drying time | 30–60 min | 10–30 min | 30–60 min |
| Application of next layers | 30–60 min | 10–30 min | after 24 h |
| TECHNICAL FEATURES | | | |
| Number of layers | 1 | 1 | 2 |
| Dilute with water | no | yes, 1:3 or 1:5 | yes, max 2 l for one package** |
| Sanding with silica sand | no | no | yes |
| Colour | turquoise | blue | green |
| TYPE OF SUBSTRATE | | | |
| Absorbent | | | |
| Non absorbent | | | |
| Bitumen | | | |
| Concrete | | | |
| Rapid screed | | | |
| Terazzo | | | |
| Cement levelling screed | | | |
| Anhydrite screed | | | |
| Wooden | | | |
| Ceramic tiles | | | |
| Natural stone | | | |
| OSB, chipboard V 100 | | | |
| Residues of synthetic adhesives | | | |
| Tightly glued PVC, CV, rubber, linoleum | | | |
| Steel and other metals | | | |
| Magnesite | | | |
| Underfloor heating | | | |
| ENVIRONMENT | | | |
| Areas with high or permanent humidity | | | |
| Substrates with high humidity (<4%) | | | |
| Interior | | | |
| Exterior | | | |
| Wall and floor | | | |

* depends on the absorbency of the substrate

** only on absorbent substrates

RECOMMENDED

CONDITIONALLY
RECOMMENDED

NOT
RECOMMENDED



LC-705

Self-Levelling Compound up to 5 mm

Fast-drying, self-levelling, thin-layer mixture suitable for levelling unevenness of up to 5 mm.



APPLICATIONS:

- Levelling of substrates before installation of elastic flooring, such as PVC, linoleum, carpets or cork tiles
- Ideal for vinyl components
- For interior use

BENEFITS:

- Very hard and strong
- Minimal internal stress
- Possible application by pump
- For underfloor heating systems
- Suitable for caster wheel load (in case of layers thicker than 2 mm)

TECHNICAL PARAMETERS:

- Working time: approx. 30 min
- Ready for foot traffic: approx. 3 h
- Ready for covering: approx. 24 h
- Coverage: approx. 1.5 kg/m²/mm
- Pressure strength: < 20.0 MPa
- Tensile strength under bending: < 6.1 MPa

| Product name | Content | Packaging | Pieces per pallet |
|---|---------|-----------|-------------------|
| LC-705 Self-Levelling Compound up to 5 mm | 25 kg | Bag | 48 |



LC-710

Classic Self-Levelling Compound up to 10 mm

Fast-drying, self-levelling, thin-layer compound suitable for levelling unevenness of up to 10 mm.



APPLICATIONS:

- Levelling of the substrate before installation of flooring, such as PVC, carpet, cork, linoleum or parquets
- For interior use

BENEFITS:

- Very hard and strong
- Minimal internal stress
- Possible application by pump
- For underfloor heating systems
- Suitable for caster wheel load (in case of layers thicker than 2 mm)

TECHNICAL PARAMETERS:

- Working time: approx. 30 min
- Ready for foot traffic: approx. 3 h
- Ready for covering: approx. 24 h (with 5 mm layer) or 48 h (with 10 mm layer)
- Coverage: approx. 1.5 kg/m²/mm
- Pressure strength: < 20.0 MPa
- Tensile strength at bending: < 6.1 MPa

| Product name | Content | Packaging | Pieces per pallet |
|--|---------|-----------|-------------------|
| LC-710 Classic Self-Levelling Compound up to 10 mm | 25 kg | Bag | 48 |

LC-735

Cement Screed up to 35 mm

LC-735 Cement Screed ensures a smooth substrate prior to the installation of all types of floor covering. Contains fibre for higher flexibility and durability.



APPLICATIONS:

- Under textile carpets, PVC, parquets, ceramic tiles and stone tiles
- Can be applied in areas temporarily exposed to increased humidity (bathrooms, kitchens, basements, garages)
- Can be used with electrical underfloor heating systems
 - the minimum thickness should be 25 mm

BENEFITS:

- Easy to apply
- Layer thickness 5–35 mm
- Suitable for underfloor heating systems

TECHNICAL PARAMETERS:

- Working time: approx. 20 min
- Ready for foot traffic: approx. 6 h
- Ready for covering: approx. 48 h
- Coverage: approx. 1.7 kg/m²/mm

| Product name | Content | Packaging | Pieces per pallet |
|----------------------------------|---------|-----------|-------------------|
| LC-735 Cement Screed up to 35 mm | 25 kg | Bag | 48 |

WB-965

Carpet Adhesive

Dispersion adhesive free of organic solvents. It is designed for all absorbent substrates in interiors, such as concrete, levelling compounds, woodchip board, wooden floors etc. In order to increase adhesion, we recommend using Artelit primer WB-290 or WB-291.



APPLICATIONS:

- Bonding of textile lining with synthetic or jute-fibre back face, with latex or foam back face, as well as other types of textile lining (coconut, sisal, hemp fibre)
- Bonding of PVC lining with textile base in public utility and residential areas
- Bonding of mineral wool on all absorbent substrates

TECHNICAL PARAMETERS:

- Vaporization time: approx. 10 min
- Working time: up to 20 min (at +20°C)
- Full loading: after 72 h
- Coverage: 0.4 kg/m² (A2 racking)
- 0.45–0.55 kg/m² (B1, B2 racking)

BENEFITS:

- Odour-free, smooth creamy consistence
- High initial bonding strength
- Resistant to shampooing
- Suitable for underfloor heating systems and furniture casters
- Fast and easy application
- Short vaporization time

| Product name | Content | Packaging | Pieces per pallet |
|------------------------|---------|-----------|-------------------|
| WB-965 Carpet Adhesive | 20 kg | Bucket | 33 |

WB-975

PVC Adhesive

Dispersion adhesive designed for horizontal and vertical surfaces. The adhesive has very good adhesion to common absorbent construction substrates, such as concrete, cement substrates, anhydride- and cement-based levelling compounds. In order to increase adhesion, we recommend using Artelit WB-290 or WB-291 primer.



APPLICATIONS:

- Bonding of floor coverings made of PVC and CV
- Bonding textile lining with foam base – smooth or embossed, with latex layer or PU base
- For interior use

TECHNICAL PARAMETERS:

- Vaporization time: approx. 10–15 min
- Working time: 60–70 min (at +20°C)
- Final strength: after 72 h
- Coverage: 0.3–0.35 kg/m² (A1–A4 racking)

BENEFITS:

- High initial bonding power
- Long open time
- Suitable for underfloor heating systems and furniture casters
- Fast and easy application
- Short vaporization time
- Solvent-free

| Product name | Content | Packaging | Pieces per pallet |
|---------------------|---------|-----------|-------------------|
| WB-975 PVC Adhesive | 20 kg | Bucket | 33 |

WB-976

Linoleum Adhesive

Special dispersion adhesive for linoleum floor coverings.

APPLICATIONS:

- Bonding of rolled linoleum and cork linoleum
- For interior use

BENEFITS:

- High bonding power
- Strong fibre tension
- Suitable for underfloor heating systems and furniture casters
- Fast and easy application
- Very short time of vaporization

TECHNICAL PARAMETERS:

- Vaporization time: approx. 5 min
- Working time: 20 min (at +20°C)
- Final strength: after 72 h
- Coverage: 0.4 kg/m² (B1 racking)



| Product name | Content | Packaging | Pieces per pallet |
|--------------------------|---------|-----------|-------------------|
| WB-976 Linoleum Adhesive | 20 kg | Bucket | 33 |

WB-977

Conductive Adhesive for Floor Coverings

Unique dispersion adhesive free of organic solvents, suitable for bonding of flooring with electrostatically conductive or antistatic treatment on all common absorbent substrates. It is not necessary to use a conductive primer. The high carbon fibre content ensures strong conductivity and facilitates assembling – only 1 common metre of copper strip is required for 30–50 m².

APPLICATIONS:

- Bonding of flooring with electrostatically conductive or antistatic treatment made of PVC, synthetic rubber and linoleum
- For interior use

BENEFITS:

- High bonding power
- With strong fibre tension
- Suitable for underfloor heating systems and furniture casters
- Very low rate of EC1 emissions
- Resistant to shampooing of flooring
- Resistant to softeners

TECHNICAL PARAMETERS:

- Vaporization time: approx. 10 min
- Working time: 30 min (at +20°C)
- Final strength: after 72 h
- Coverage: 0.4 kg/m² (B1 racking)
- Electrical resistance: < 3 x 10⁵ Ω according to DIN EN 14 259



| Product name | Content | Packaging | Pieces per pallet |
|--|---------|-----------|-------------------|
| WB-977 Conductive Adhesive for Floor Coverings | 14 kg | Bucket | 44 |

WB-981

Special Universal Adhesive for Floor Coverings

A universal adhesive for elastic coverings, with excellent adhesion to all common absorbent substrates in interiors.

APPLICATIONS:

- Bonding of floor coverings made of PVC and CV, textile lining with foam base, smooth and embossed base, latex or PU layer
- Linoleum, cork coverings, coverings of natural and synthetic rubber
- Sound dampening mats
- Vinyl coverings

TECHNICAL PARAMETERS:

- Vaporization time: approx. 5 min
- Working time: 30 min (at +20°C)
- Final strength: after 72 h
- Coverage:
 - 0.25–0.35 kg/m² (A1–A4 racking)
 - 0.35–0.6 kg/m² (B1–B3 racking)



BENEFITS:

- High bonding power
- Suitable for underfloor heating systems and furniture casters
- Fast and easy application
- Short vaporization time
- Resistant to softeners

| Product name | Content | Packaging | Pieces per pallet |
|---|---------|-----------|-------------------|
| WB-981 Special Universal Adhesive for Floor Coverings | 20 kg | Bucket | 32 |

WB-982

Universal Dispersion Adhesive for Floor Coverings

A universal solvent-free adhesive for floor coverings suitable for all common absorbent substrates in interiors.

APPLICATIONS:

- High bonding power
- Suitable for underfloor heating systems and furniture casters
- Fast and easy application
- Short vaporization time
- Resistant to softeners

TECHNICAL PARAMETERS:

- Vaporization time: approx. 5 min
- Working time: 30 min (at +20°C)
- Final strength: after 72 h
- Coverage:
 - 0.25–0.35 kg/m² (A1–A4 racking)
 - 0.35–0.6 kg/m² (B1–B3 racking)



BENEFITS:

- High bonding power
- Suitable for underfloor heating systems and furniture casters
- Fast and easy application
- Short vaporization time
- Resistant to softeners

| Product name | Content | Packaging | Pieces per pallet |
|--|---------|-----------|-------------------|
| WB-982 Universal Dispersion Adhesive for Floor Coverings | 20 kg | Bucket | 32 |

WB-984

Fixing Adhesive

A removable adhesive which prevents carpets from slipping on the subfloor.

APPLICATIONS:

- Removable fixing of textile lining with various bases, CV coverings and anti-slip coating coverings
- For interior use

BENEFITS:

- For all common absorbent substrates
- Can be applied on smooth substrates by roller
- High bonding power
- Strong fibre tension
- Suitable for underfloor heating systems and furniture casters
- Very low rate of EC1 emissions
- Can be mixed with up to 50% water to reduce adhesion
- Resistant to shampooing of coverings

Note: Once the covering is removed, the adhesive can be easily removed by cleaning agents.

TECHNICAL PARAMETERS:

- Curing time for 1 layer: min 6 h
- Full curing time: min 24 h
- Min layer thickness: 1.5 mm
- Total consumption: 1.3-2.0 kg/m²



| Product name | Content | Packaging | Pieces per pallet |
|------------------------|---------|-----------|-------------------|
| WB-984 Fixing Adhesive | 12 kg | Bucket | 44 |

WB-986

Anti-Slip Fluid for Carpet Coverings

A special fluid which prevents carpets from slipping on the subfloor and enables their easy removal.

APPLICATIONS:

- Fixing carpet tiles
- Fixing sound dampening mats

BENEFITS:

- For all common absorbent substrates
- Very low VOC emission
- Easy removal
- Favourable spreading capacity
- Permanent adhesion

TECHNICAL PARAMETERS:

- Time of vaporization: approx. 60 min
- Consumption on non-absorbent subfloors: 50-100 g/m²
- Consumption on porous subfloors: 100-150 g/m²
- Tools: Lambswool roller or brush



| Product name | Content | Packaging | Pieces per pallet |
|---|---------|-----------|-------------------|
| WB-986 Anti-Slip Fluid for Carpet Coverings | 10 kg | Bucket | 44 |



PB-985

2C PU Adhesive for Elastic Coverings

Two-component polyurethane-based adhesive for elastic coverings, also suitable for various applications in other construction works. Can also be used as a corrective filler for filling of cracks and holes in substrate [subsequent dressing by silica sand is necessary].

APPLICATIONS:

- Bonding of heavy-duty elastic coverings, especially PVC and rubber coverings
- Installation of artificial grass
- For interior and exterior use

BENEFITS:

- For all absorbent and non-absorbent substrates
- High bonding strength
- Suitable for underfloor heating systems and furniture casters
- Fast and easy application
- Without volume changes even for thicker layers
- Solvent- and water-free

TECHNICAL PARAMETERS:

- Time of vaporization: immediate application
- Working time: 70 min (at +20°C)
- Final strength: after 72 h
- Coverage:
 - 0.2 kg/m² (A2 racking)
 - 0.5-1.0 kg/m² (B1-B3 racking)



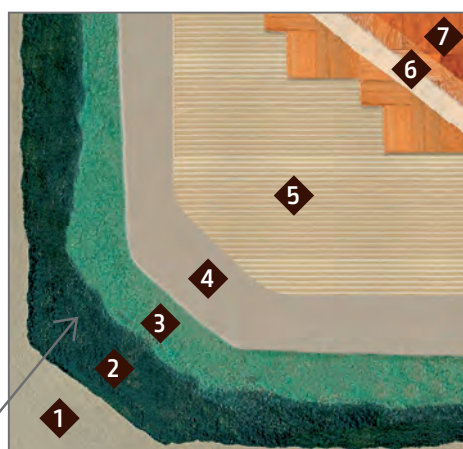
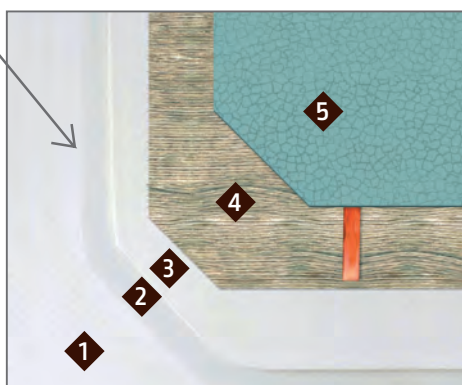
| Product name | Content | Packaging | Pieces per pallet |
|--|------------------|-----------|-------------------|
| PB-985 2C PU Adhesive for Flexible Coverings | 7.05 kg Adhesive | Bucket | 60 |
| | 1.05 kg Hardener | Bottle | 60 |



Artelit Professional Systems – Selected Solutions

| | Description | Artelit Products | Recommendation |
|---|---------------------|------------------|-----------------------------|
| 1 | Anhydrite substrate | – | Sanding |
| 2 | Primer | WB-290 | Mix with water in 1:1 ratio |
| 3 | Levelling compound | LC-710 | Thickness 1–10 mm |
| 4 | Conductive adhesive | WB-977 | For PVC, linoleum, carpet |
| 5 | Earthing | – | 1 m of copper tape |

Electrostatic flooring
on anhydrite substrates

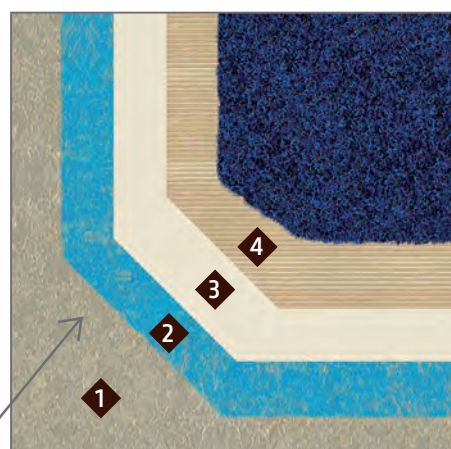
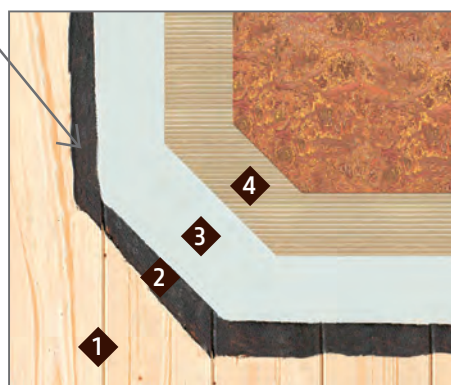


Parquet flooring
on non-absorbent substrates

| | Description | Artelit Products | Recommendation |
|---|--------------------|------------------|------------------------------------|
| 1 | Concrete substrate | – | Sanding |
| 2 | Primer | EB-270 | Sanding with silica sand or WB-280 |
| 3 | Levelling compound | LC-735 | 3–35 mm, 40 MPa |
| 4 | 2 C PU adhesive | PB-890 | Working time up to 90 min |
| 5 | Parquet filler | FS-415 | Mix with wood dust |
| 6 | 1 C primer varnish | S-460 | First coat |
| 7 | 1 C top varnish | PW-480 | Top coats |

| | Description | Artelit Products | Recommendation |
|---|--------------------|------------------|--------------------|
| 1 | Wooden substrate | – | Wood, OSB, plywood |
| 2 | Primer | WB-280 | – |
| 3 | Levelling compound | LC-720 | Thickness 2–20 mm |
| 4 | Adhesive | WB-975 | For PVC |

PVC coverings
on wooden substrates



Elastic coverings
on problematic substrates

| | Description | Artelit Products | Recommendation |
|---|--|------------------|-----------------------|
| 1 | Concrete substrate with old adhesive residue | – | Water based adhesives |
| 2 | Primer | WB-280 | – |
| 3 | Levelling compound | LC-710 | Thickness 1–10 mm |
| 4 | Dispersion adhesive | WB-965 | For textile coverings |

FIRESTOP



- In 2016 over 120 thousand fires broke out in Poland, with 58% concerning detached and multi-family houses which, as a rule, lack passive fire protection.
- Tytan Professional FIRESTOP stops the spread of fire for up to 4 hours in the location of the outbreak, allowing time for evacuation and for the fire services to intervene.
- All the products in the system hold ETA (European Technical Approval) certification, which confirms their compliance with the most stringent requirements.



We spend the majority of our time inside buildings – whether flats and houses or workplaces and public buildings. Unfortunately, we seldom think about the fire protection these places have. We are rarely disturbed by the thought that insufficient fire protection may result in some unfortunate events.

In the case of a fire, the most striking phenomenon is the speed with which it spreads. The main reason for this is the huge amounts of highly combustible elements which the fire can encounter. If a building is not specially designed to include passive fire protection, it is usually consumed by fire to a large extent, even before the first crew of firefighters arrives.

Therefore it is essential, not only for the safety of buildings but first and foremost for the safety of the people within them, to implement solutions related to passive fire protection.

Thanks to the inclusion of an appropriate passive fire protection system we can prevent the spread of fire and contain it within the area it began for long enough to achieve the effective evacuation of the building, and by doing so facilitate the actions of the firefighters and minimize the material damage.


This is the role of passive fire protection system – to inhibit the destructive power of fire and contain it within the space it first occurred. Apart from that, the proper sealing of pipe and cable routing prevents smoke and toxic fumes from penetrating into other rooms, which is also vital for evacuation.

Tytan Professional FIRESTOP System – for passive fire protection – is one of the most comprehensive solutions of its kind available on the market. It offers a wide array of products designed to meet the demands of modern construction. The Fire Stop product line is based on high quality components and meets the most stringent quality requirements. It holds ETA (European Technical Approval) attestation. These products are designed for sealing pipe, cable and ventilation duct penetrations. Most of them comply with the EI240 standard, which means that a properly sealed penetration can prevent fire from spreading to other rooms for as long as 240 minutes, crucial for rooms exposed to a high risk of fire, such as boiler rooms, basements and garages.

Tytan Professional FIRESTOP – for passive fire protection – is like building insurance, but it primarily protects the lives of the people in it. The installation of the system is relatively low-cost in relation to that of the whole building, but in the case of a fire, when every minute counts, the system can save people's lives and minimize the losses.



FIRESTOP

- 
-
- 258 B1 PU Gun/ Straw Foam
 - 258 B1 2K PU Foam
 - 259 B1 Fire Acrylic
 - 259 B1 Fire Graphite
 - 260 B1 Fire Sealant
 - 260 B1 Fire Wrap
 - 261 B1 Fire Mortar Gypsum
 - 261 B1 Fire Board
 - 261 B1 Fire Collar
 - 262 Fire Block 113
 - 262 Fire Block Extreme

B1 PU Gun/ Straw Foam



Technologically advanced gun polyurethane foam, classified as slow combustible and fire-retardant. B1 PU GUN Foam seals against smoke, is self-extinguishing and does not create dripping balls of fire. Product does not emit MDI during application and possesses M1 emission class for building materials – once cured, the product does not emit any hazardous substances.

APPLICATIONS:

- Filling linear gaps
- Filling gaps around penetrations

BENEFITS:

- Fire resistant class EI 240 EN 13501-2:2008, B1 DIN4102
- ETA – European Technical Assessment
- M1 emission class
- O₂ 0% MDI emission
- Self-extinguishing
- Excellent adhesion to most building materials

TECHNICAL PARAMETERS:

- High yield: up to 42 l
- Cutting time: 40 min
- Low post expansion: up to 120%

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|-----------------------|---------|-----------|----------------|-------------------|
| B1 PU Gun/ Straw Foam | 750 ml | Can | 12 | 720 |

B12K PU Foam



B12K PU Foam is intended to be used for temporary or permanent reinstating of the fire resistance performance of flexible wall constructions, rigid wall constructions and rigid floor constructions where they have apertures for use by various cables, conduits/ tubes, pipes and installation supports (perforated or non-perforated steel cable trays and steel ladders).

APPLICATIONS:

- Cable connectors and routes

BENEFITS:

- Fire resistant class EI 120
- Adjusts to any shape
- Fast curing – residues can be cut off after 2 minutes
- European Technical Assessment

TECHNICAL PARAMETERS:

- Yield: up to 2.1 l
- Colour: red-brown
- Reaction to fire: class E
- Shelf life: 12 months

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--------------|---------|-----------|----------------|-------------------|
| B12K PU Foam | 380 ml | Cartridge | 6 | 720 |

B1 Fire Acrylic



High specification formulation, designed to prevent the spread of fire, smoke and gases through openings in fire rated walls and floors, specifically linear movement joints and openings for building service penetrations. B1 Fire Acryl expands when it is subjected to fire and closes openings around penetrations after any combustible or low temperature melting materials has burnt away.

APPLICATIONS:

- Penetrations up to 100 mm wide
- Cable connectors
- Copper, steel, plastic and composite pipes

BENEFITS:

- Fire resistant class EI 240
- European Technical Assessment for dilatations and installations
- High sound insulation
- Movement up to 12.5%

TECHNICAL PARAMETERS:

- Reaction to fire: class D-s1, d1
- Flexibility: 12.5%
- Skin formation time: 25 min
- Colour: white, grey, red
- Shelf life: 18 months

| Product name | Content | Packaging | Pieces per box | Pieces per pallet | Colours |
|-----------------|---------|-----------|----------------|-------------------|------------------|
| B1 Fire Acrylic | 310 ml | Cartridge | 12 | 1 920 | White, grey, red |
| | 600 ml | Foil | 12 | 1 092 | White, grey, red |

B1 Fire Graphite



High specification formulation designed to prevent the spread of fire, smoke and gas through openings in fire rated walls and floors. B1 Graphite expands when it is subjected to fire and closes openings around penetrations after any combustible or low temperature melting materials has burnt away.

APPLICATIONS:

- Cable connectors
- Plastic pipes with diameters up to 110 mm

BENEFITS:

- Fire resistant class EI 240
- European Technical Assessment
- Expands when exposed to fire

TECHNICAL PARAMETERS:

- System of curing: neutral
- Curing rate: 2.0 mm/ 24 h
- [+23°C, 50% RH]

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|------------------|---------|-----------|----------------|-------------------|
| B1 Fire Graphite | 310 ml | Cartridge | 12 | 960 |

B1 Fire Sealant



High performance, professional quality, one part ready to use sealant and adhesive. Based on an innovative new Inert Polymer Technology, it is suitable for a wide variety of building trade applications including decorating, flooring, joinery, plumbing and tiling, and out-performs conventional silicone, MSP, butyl and acrylic-based products as a sealant and adhesive – the only sealant free from dangerous emissions.

APPLICATIONS:

- Dilatations up to 100 mm wide
- Cable connectors
- Copper, steel, plastic and composite pipes

BENEFITS:

- Fire resistant class EI 240
- European Technical Assessment for dilatations and installations
- One solution for all internal building applications

TECHNICAL PARAMETERS:

- Reaction to fire: class D-s2, d0
- Shore A hardness: 47
- Skin formation time: 30 min
- Classification CE: 25 HM

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|-----------------|---------|-----------|----------------|-------------------|
| B1 Fire Sealant | 300 ml | Cartridge | 12 | 960 |
| | 600 ml | Foil | 12 | 540 |

B1 Fire Wrap



B1 Fire Wrap is designed to maintain the fire resistance of fire separating walls and floors when these are breached by continuous plastic pipes or metal pipes with combustible insulation, and may be used in gypsum, masonry or concrete walls as well as concrete floors. Each pipe wrap consists of a graphite based reactive intumescent strip which reacts to heat and closes the opening left by the softening plastic pipe or pipe insulation in a fire.

APPLICATIONS:

- Steel pipes in rubber insulation
- Copper, steel, plastic and composite pipes

BENEFITS:

- Fire resistant class EI 240
- European Technical Assessment
- Supplied in many different sizes

TECHNICAL PARAMETERS:

- Foam yield: up to 2.1 l
- Colour: red-brown
- Reaction to fire: class E
- Shelf life: 12 months

| Product name | Content | Pieces per box | Pieces per pallet |
|--------------|--------------|----------------|-------------------|
| B1 Fire Wrap | 55 mm | 25 | 500 |
| | 82 mm | 25 | 500 |
| | 110 mm | 25 | 500 |
| | 125 mm | 12 | 200 |
| | 160 mm | 12 | 120 |
| | 200 mm | – | 10 |
| | 250 mm | – | 10 |
| | 50 mm x 25 m | – | 10 |
| | 75 mm x 25 m | – | 10 |

B1 Fire Mortar Gypsum



B1 Fire Mortar Gypsum is a dry white powder consisting of inorganic compounds and perlite. When mixed with water the compounds form a high thermal insulation fire seal to prevent the spread of fire and smoke through openings in fire rated walls and floors, including openings formed to accommodate building service penetrations.

APPLICATIONS:

- Copper, steel, plastic and composite pipes
- Cable connectors and routes

BENEFITS:

- Fire resistant class EI 240
- European Technical Assessment
- Fully set within 1 h
- High mechanical resistance

TECHNICAL PARAMETERS:

- Dry density: 900 kg/m³ when fully cured
- Sound insulation: 64 dB
- Hardened: <1 h
- Totally hardened: up to 30 days

| Product name | Content | Packaging | Pieces per pallet |
|-----------------------|---------|-----------|-------------------|
| B1 Fire Mortar Gypsum | 20 l | Bag | 63 |

B1 Fire Board



Fire Board has been designed to maintain the fire resistance of separating walls and floors where they are breached by single or multiple building services. The board consists of a rigid stone wool core, sealed with a special coating on one or both sides. The coating provides an important barrier to the passage of fire, smoke and hot gas through the thickness of the board.

APPLICATIONS:

- Cable connectors
- Copper, steel, plastic and composite pipes

BENEFITS:

- Fire resistant class EI 240
- European Technical Assessment
- Easy and quick installation
- High sound insulation

TECHNICAL PARAMETERS:

- Density: 160-180 kg/m³
- Flexibility: low to medium; 12.5%
- Sound insulation: over 55 dB

| Product name | Content | Pieces per pallet |
|---------------|----------------------|-------------------|
| B1 Fire Board | 50 mm 1-sided smooth | 80 |
| | 50 mm 2-sided smooth | 80 |
| | 60 mm 1-sided smooth | 72 |
| | 60 mm 2-sided smooth | 72 |
| | 50 mm 1-sided ribbed | 80 |
| | 50 mm 1-sided ribbed | 80 |
| | 60 mm 1-sided ribbed | 72 |
| | 60 mm 1-sided ribbed | 72 |

B1 Fire Collar



B1 Fire Collar is designed to maintain the fire resistance of fire rated walls and floors where these are breached by continuous plastic pipes, for use in gypsum, masonry and concrete walls and floors. The steel shell contains a graphite based reactive material which reacts when exposed to heat, closing the openings left by the softening plastic pipe.

APPLICATIONS:

- Sealing plastic pipes

BENEFITS:

- Fire resistant class EI 240
- European Technical Assessment
- Supplied in many different sizes

| Product name | Content | Pieces per box | Pieces per pallet |
|----------------|---------|----------------|-------------------|
| B1 Fire Collar | 55 mm | 24 | 240 |
| | 82 mm | 24 | 240 |
| | 110 mm | 24 | 240 |
| | 125 mm | 24 | 200 |
| | 160 mm | 12 | 120 |
| | 200 mm | — | 10 |
| | 250 mm | — | 10 |
| | 315 mm | — | 10 |

Fire Block 113



Fire Block 113 PRO is a Type V residential fire block designed for the most extreme high heat and low humidity regions. It offers an industry-leading expansion ability to fill and seal gaps under the most extreme conditions. Fire Block 113 can be applied in ambient conditions of up to 113°F and can temperature without shrinking and melting in the gap. Fire Block 113 works first time and does not require a second application like other fire block foams. Fire Block 113 meets or exceeds all fire block and draft stop standards. It is not an approved fire stop sealant. Fire Block 113 is safe to be used around windows and doors, and offers minimal shrinking. It is orange in colour for easy recognition and inspection.

APPLICATIONS:

- Applications include electrical outlets, wire passages, ductwork, and any air passages from one building area to another.
- Excellent to seal concealed penetrations between the floors or rooms in residential construction (type V or "combustible") to block the passage of flame and smoke. It offers premium adhesion to most construction materials including: wood, metal, masonry, glass, and most plastics

TECHNICAL PARAMETERS:

- Cutting time: 40 min
- Fully cured: 24 h
- Application temperature: 59°F to 113°F
- Shelf life: 12 months

BENEFITS:

- High adhesion to surfaces
- Low adhesive open time
- High adhesive yield

| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|----------------|---------|-----------|----------------|-------------------|
| Fire Block 113 | 24 oz | Can | 12 | 720 |

Fire Block Extreme



Fire Block Extreme PRO is a fire blocking foam sealant designed to work in the most extreme conditions, for ambient temperatures of -4°F to 100°F. Although Fire Block Extreme is ideal for all high and low humidity applications, Fire Block 113 is recommended in desert climates. Although it is not approved as a fire stop, Fire Block Extreme is a certified draft stopping and fire blocking product. It is orange in colour for easy inspection recognition. Fire Block Extreme uses a minimal shrinking technology to ensure an airtight seal while providing industry-leading yield, and is safe to be used around windows and doors. It offers minimal post-expansion for small gap filling while also being capable of filling gaps of up to three inches. It offers premium adhesion to most construction materials, including: wood, metal, masonry, glass, vinyl, and some plastics.

APPLICATIONS:

- Sealing for window fitting
- Sealing for door fitting
- Filling free spaces, cracks, gaps, pipe penetrations
- Sealing roof, wall and floor joints
- Thermal insulation
- Acoustic insulation


TECHNICAL PARAMETERS:

- Cutting time: 40 min
- Fully cured: 24 h
- Application temperature: -4°F to 100°F
- Shelf life: 12 months

BENEFITS:

- High foam yield
- Foam pressure
- Foam volume increase (post-expansion)
- Low foam flammability

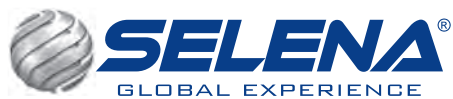
| Product name | Content | Packaging | Pieces per box | Pieces per pallet |
|--------------------|---------|-----------|----------------|-------------------|
| Fire Block Extreme | 24 oz | Can | 12 | 720 |



The letters EI on passive fire protection products signify the level of their integrity i.e. fire security, the thermal insulation capacity of a partition. The highest possible level for a partition is EI 240, which means that the partition can prevent fire from penetrating to the other side for up to 240 minutes.

Graphite, which is used in fire resistant flanges and bands, expands to 16 times its original size when exposed to fire, and by doing so closes the openings left after plastic pipes have melted.

WATCH
SELENA VIDEO:



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