

PENOSIL

We save energy /

Product Catalogue

PU Foams
Sealants
Adhesives
Coatings
Tapes
Cleaners

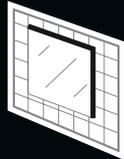
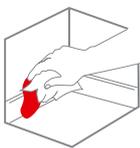




Penosil has distinct product categories and each of these categories focuses on a specific application area. All related filling, sealing, and adhering products have been carefully grouped together and are easily recognisable by their category colour.

Each category offers a complete solution for specific types of construction or renovation work, enabling users to achieve high-quality results easier and faster.

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General Construction Category



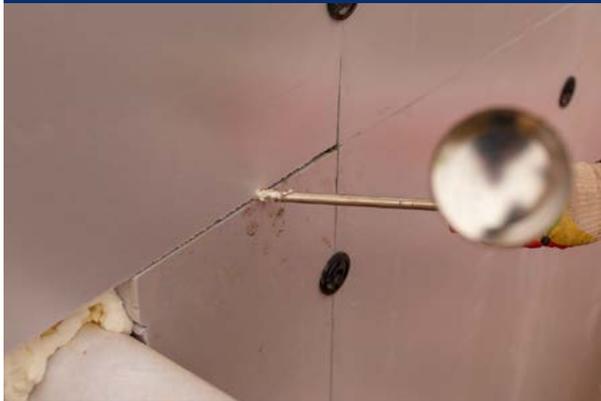
Properly insulated and well-sealed buildings

General Construction is our most extensive and versatile category. Here we have combined products that can be used for a multitude of works around the construction site. Most of these products are multipurpose, adhere to the most common construction materials, and are suitable for interior and exterior use.

The **General Construction** category has products for weatherproofing, insulating, glazing, adhering and many other building activities.

PU foams		Expanding tapes	
Universal Gunfoam 146	4	Expanding Tape 300Pa	8
<ul style="list-style-type: none"> General construction works Low curing pressure 		<ul style="list-style-type: none"> Sealing connection and expansion joints Fire class B2 	
Universal Strawfoam 265	5	Backer rod	
<ul style="list-style-type: none"> General construction works High expansion 		Backer Rod PE 450	9
Pest Repellent Foam 299	5	<ul style="list-style-type: none"> Closed-cell foam backer rod Flexible and compressible 	
<ul style="list-style-type: none"> Filling holes and penetrations With mouse- and pest-repellent additives 		Lubricants	
Oxime silicone sealants		Spray Silicone 353	9
Building Silicone 376	6	<ul style="list-style-type: none"> Non-stick lubricant spray Reduces friction 	
<ul style="list-style-type: none"> Filling, sealing and glazing Mould resistant 		Tools	
Building Silicone 366	7	FoamGun S1	10
<ul style="list-style-type: none"> Interior and exterior construction works MEKO Free 		<ul style="list-style-type: none"> 4 barrel extensions Universal adapter 	
Acetoxy silicone sealants		FoamGun C1	10
Universal Silicone 315	7	<ul style="list-style-type: none"> Stainless-steel needle Fast, easy and safe to use 	
<ul style="list-style-type: none"> General building works UV, moisture and ageing resistant 		Cartridge Gun SH1	11
Hybrid sealants		<ul style="list-style-type: none"> Lightweight Hook for hanging 	
Ventilation Hybrid 710	8	Foil Pack Gun MH6	11
<ul style="list-style-type: none"> For ventilation works Highest resistance to mould growth 		<ul style="list-style-type: none"> Up to 600 ml foil packs Manual 	

Universal Gunfoam 146

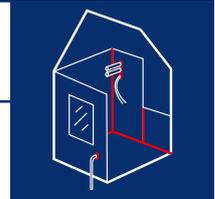
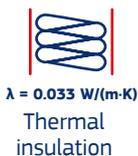


Universal gap filling gun foam for general construction works



- Good filling properties
- Non-shrinking
- Low curing pressure
- Excellent air tightness
- Prevents thermal bridges
- High thermal and sound insulation properties

Filling holes and gaps.
Insulating penetrations.
Sealing connecting joints.
Enhancing thermal and sound insulation.
Reducing the impact of thermal bridges.



Universal one-component polyurethane filling gun foam for various exterior and interior construction works such as sealing insulation board joints, cable and pipe penetrations, filling gaps and cracks in the building's structure.

Adheres well to most materials such as wood, concrete, stone, plaster, metal, PVC and polystyrene.

Fill the joints up to approx. 65%.

Air temperature during use: +5°C to +30°C.

Limitations:

Do not use at temperatures below +5°C.

Cured foam needs to be covered with a suitable material to protect against UV rays.

Do not cover before the foam has fully cured.

Technical data

Properties	Value
Tack free time (EN 17333-3)	6...10 min
Cutting time (30 mm bead, EN 17333-3)	<30 min
Fully cured in joint, 3x5 cm (+23°C)	<8 h
Curing pressure (EN 17333-2, moistened surfaces)	<1 kPa
Post expansion (EN 17333-2)	<80 %
Density in joint, 3x10 cm (WGM106)	15...19kg/m ³
Dimensional stability (EN 17333-2, moistened surfaces)	<1%
Temperature resistance of cured product	-50...+90°C
Reaction to fire classification (EN 13501-1)	F
Fire class of cured foam (DIN 4102-1)	B3
Tensile strength / elongation (EN 17333-4, moistened surfaces)	>60/22 kPa / %
Compression strength (EN 17333-4, moistened surfaces)	>5 kPa
Shear strength (EN 17333-4, moistened surfaces)	>20 kPa
Thermal conductivity (EN 12667, EN 17333-5)	0,033 W/(m·K)
Sound reduction index R _{st,w} (EN ISO 10140)	62 dB
Water vapour permeability (EN 12086)	<0,06 mg/(m·h·Pa)

The values specified were obtained at +23°C and 50% relative humidity, unless otherwise specified. These values may vary depending on environmental factors such as temperature, moisture and type of substrates.

Universal Strawfoam 265



Universal insulation straw foam for exterior and interior filling and insulating works



- High expansion
- Excellent air tightness
- Good filling properties
- Non-shrinking
- Low curing pressure

Filling and insulating openings, cracks, gaps and penetrations (cable and pipe penetrations).

Filling plasterboard joints.

Enhancing thermal and sound insulation.



 $\lambda = 0.033 \text{ W/(m}\cdot\text{K)}$ Thermal insulation	 62 dB Sound insulation	 Low curing pressure
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 Interior & Exterior use

Colour 	
750 ml aerosol can 	

Pest Repellent Foam 299



Filling straw foam with pest and mice repellent additives



- With pest and mice repellent additives
- Does not contain biocides, safe for pets
- High expansion and good filling properties
- High yield
- Excellent airtightness
- High thermal and sound insulation

Blocking mice, termites and other pests from entering the house.

Filling holes.

Insulating penetrations.

Sealing gaps and cracks.



 $\lambda = 0.033 \text{ W/(m}\cdot\text{K)}$ Thermal insulation	 62 dB Sound insulation	 Big expansion
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 Interior & Exterior use

Colour 	
365 ml aerosol can 	

Building Silicone 376



Neutral silicone for weatherproofing and general construction works



Weatherproof



Elastic

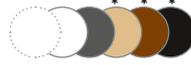


Mould resistant



Interior & Exterior use

Colour



280 ml cartridge



- Weather, ageing and mould resistant
- Permanently elastic, high movement capability
- Low elastic modulus
- Excellent adhesion on a wide range of materials
- Excellent for glazing works

Filling, sealing, glazing interior and exterior joints.

Filling and weatherproofing joints between window and door frames.

All finishing, sanitation and ventilation sealing works.

*Available on request

CE F-EXT-INT-CC; G-CC

Multipurpose neutral silicone sealant with good movement capability and excellent adhesive properties.

Forms a mould-proof and ageing-resistant flexible silicone rubber seal.

Adheres well to most materials such as masonry, aluminium (lacquered, anodized, painted), most plastics, glass, ceramics, etc.

Limitations:

Do not use at temperatures below +5°C.

Not recommended for sealing natural stone surfaces, e.g. marble and granite.

Technical data

Properties	Value
Basis	Oxime
Density (DIN 53 479-B)	0,97 g/ml
Tack free time	5 min
Skin forming time	5...8 min
Curing rate	3 mm/24h
Resistance to flow (ISO 7390)	0 mm
Intensity of microbiological grows (ISO 846)	0
Application temperature	+5...+40°C
Service temperature	-40...+150°C
Movement capability (ISO 11600)	25%
Elastic recovery (ISO 7389)	>85 %
Shore A hardness (ISO 868)	19

Properties of cured sealant

E-Modulus 100% (ISO 37)	0,35 N/mm ²
Tensile strength (ISO 37)	1,1 N/mm ²
Elongation at break (ISO 37)	600%

The values specified were obtained at +23 °C and 50% relative humidity, unless otherwise specified. These values may vary depending on environmental factors such as temperature, moisture and type of substrates.

Building Silicone 366



Multipurpose zero MEKO neutral silicone for general construction works



Weatherproof



Elastic



Low odour



Interior & Exterior use

Colour



280 ml cartridge



CE F-EXT-INT-CC; G-CC



- MEKO Free
- Weather, ageing and mould resistant
- Permanently elastic
- Low elastic modulus
- Excellent for glazing works

Filling, sealing, glazing interior and exterior joints.

Filling and weatherproofing joints between window and door frames.

All finishing, sanitation and ventilation sealing works.



Universal Silicone 315



Universal acetoxy silicone for interior and exterior building works



Weatherproof



Elastic



Fast



Interior & Exterior use

Colour



280 ml cartridge



Product available on request
CE F INT-EXT-CC; G-CC; S - S1



- UV, moisture and ageing resistant
- Permanently elastic
- Mould resistant
- Excellent mechanical properties
- Fast curing

Filling and sealing various interior and exterior joints.

Sealing joints during general construction and repair works.

Ventilation Hybrid 710



Hybrid polymer sealant for ventilation works



- Permanently elastic
- Highest resistance to mould growth
- Weatherproof
- Isocyanate and solvent free
- Adheres to damp surfaces

Sealing and bonding ventilation systems. Sealing joints in production areas where elasticity and high hygiene requirements apply.



CE F-EXT-INT-CC:20HM



Low odour



Can be painted



Mould resistant

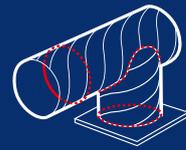


Interior & Exterior use

Colour



280 ml cartridge
400 ml foil package



Expanding Tape 300Pa



Self-expanding elastic tape for sealing connection and expansion joints



- Self-expanding, fills uneven surfaces
- Permanent elasticity
- Impermeable to driving rain $\geq 300\text{Pa}$
- B2 fire class
- Thermal and sound insulation

Sealing timber, prefabricated and concrete structures.

Sealing door and window frame joints, and between roof elements. Soundproofing internal and partition wall joints.

Sound and vibration proofing of components within the Auto and Ventilation industries.



Elastic



Airtight



Vapour permeable



Interior & Exterior use

Colour



TAPE WIDTH (mm)	10	15	10	15	15	20	15	20	15	20
JOINT WIDTH (mm)	2-3	2-3	3-5	3-5	4-7	4-7	6-10	6-10	8-12	8-12
AMOUNT (m/roll)	12,5	12,5	10	10	8	8	5,6	5,6	4,3	4,3



Backer Rod PE 450



Closed-cell foam backer rod for filling joints and gaps before sealing



- Flexible and compressible
- Non-absorbent
- Fast and easy installation
- Prevents moisture from penetrating building's structure
- Creates an even joint depth and supports the sealant

Backing and sealing various joints, providing consistent and uniform seal.

Filling and sealing joints in general construction, between panelling, boards, window and door frames.

Filling facade and floor expansion and control joints.

Controls the sealant's depth, minimises the amount of sealant used.

Prevents joint failure and sealant's three-sided adhesion.



Elastic



Long-lasting



Thermal- and sound insulation



Interior & Exterior use

Colour



- 06 mm, 1500 m/box
- 010 mm, 550 m/box
- 020 mm, 150 m/box
- 025 mm, 200 m/box
- 030 mm, 160 m/box
- 040 mm, 270 m/box



Spray Silicone 353



Silicone-based non-stick multipurpose lubricant spray



- Non-stick coating
- Polishes plastics and rubbers
- Reduces friction
- Water repellent
- Protects metal parts

Demoulding all types of plastics and rubber.

Polishing plastics and waterproofing awnings, canvas, footwear, etc.

Lubricating locks, ramps, guides, conveyor belts, blades, saws, etc.

Protecting metal parts against humidity and dust, as well as against corrosion in anodized aluminium parts.

Protecting welding works.



Sprayable



Waterproof



Reduces friction

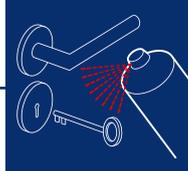


Interior & Exterior use

Colour



400 ml aerosol can



FoamGun S1



Professional foam gun for PU foam application



- Light rubber-coated handle
- Stainless steel needle
- Easy to clean; Teflon-coated exterior
- 4-barrel extensions: 200 mm extension (2 pcs), 50 mm extension (2 pcs)
- Weight 389 g

Applying adapter fitted PU foam products in an aerosol can.

Suitable for filling, sealing, insulating and installation works.

Time-saving and economical product application.

Allows precise product dosage.



Long-lasting



Precise dosage



Fast



Interior & Exterior use

Blister package



FoamGun C1



Economical and easy-to-use foam gun for PU foam application



- Comfortable plastic handle
- Stainless-steel needle
- Fast, easy and safe to use
- 4 barrel extensions: 200 mm (2 pcs), 50 mm (2 pcs)
- Weight 373 g

Applying adapter fitted PU foam products in an aerosol can.

Suitable for filling, sealing, insulating and installation works.

Time-saving and economical product application.

Allows precise product dosage.



Long-lasting



Precise dosage



Fast



Interior & Exterior use

Cardboard box



Cartridge Gun SH1



Manual cartridge gun for cartridges up to 310 ml



- Lightweight: 680 g
- Rotating frame
- Low-density sintered drive plate 9 mm
- Convenient hook to hang the gun easily
- Fast, easy and safe

Applying all types of products in a cartridge (silicones, adhesives and mastics) on a multitude of surfaces. Time-saving and economical product application. Allows precise product dosage.



Long-lasting



Precise dosage



Fast



Interior & Exterior use

Blister package



Foil Pack Gun MH6



Manual gun for sealant and adhesive foil packs up to 600 ml



- Tempered clutch and pushing rod
- Pushing power up to 15 bars
- Thrust ratio: 18:1
- Aluminium body
- Weight 1119 g

Applying 300 to 600 ml foil pack products (silicones, adhesives and mastics) on a multitude of surfaces. Time-saving and economical product application. Allows precise product dosage.



Long-lasting



Precise dosage



Fast



Interior & Exterior use

Cardboard box





Suitable for:	Universal Gunfoam 146	Universal Strawfoam 265	Pest Repellent Foam 299	Expanding Tape 300Pa	Universal Silicone 315	Building Silicone 366	Building Silicone 376	Ventilation Hybrid 710
Plaster	●	●	●	●				
Plasterboard	●	●	●					
Roof tiles	●	●	●			●		
Concrete	●	●	●	●		●	●	●
Bricks	●	●	●	●		●	●	●
Stone	●	●	●					
Wood	●	●	●	●		●	●	●
Masonry	●	●	●	●		●	●	
Metals	●	●	●	●				
Aluminium (lacquered, anodized, painted)					●	●	●	
PVC	●	●	●	●			●	
Most plastics					●	●	●	
EPS	●	●	●					
Polystyrene	●	●	●					
Glass					●	●	●	●
Vitrified surfaces					●			
Ceramic tiles					●	●	●	●
Fibreglass					●			

For the latest information, please visit Penosil website: Penosil.com/uk



Window & Door Category



Energy-efficient window and door installation

Penosil's **Window & Door category** has a range of carefully selected products suitable for energy-efficient window and door installations. Each product in this category has a specific role. If used together in the correct sequence, these products help achieve near Zero Energy Building requirements.

For window and door installation it is important to use products that have excellent thermal- and sound-insulation properties. Our **Window & Door category** products guarantee airtight joints and long-lasting results.

PU foams

Window & Door Elastic Gunfoam 198	15
<ul style="list-style-type: none"> For window and door installation Airtight performance 	
Window & Door Gunfoam 173	15
<ul style="list-style-type: none"> All-season use (-5°C to +30°C) High yield 	
Window & Door Gunfoam 55 156	16
<ul style="list-style-type: none"> Works well in hot temperatures (up to +40°C) High yield 	

Liquid membranes

Air&Vapour Membrane 660	17
<ul style="list-style-type: none"> Sealing internal window and door joints Fibre-reinforced 	
Airtight Membrane 704	17
<ul style="list-style-type: none"> Sealing external window and door joints Crack-bridging ability 	

Oxime silicone sealants

Window & Door Silicone 312	18
<ul style="list-style-type: none"> High movement capability (±25%) Does not shrink 	
Window & Door Silicone 302	19
<ul style="list-style-type: none"> High movement capability (±25%) MEKO Free 	
Neutral Silicone 317	19
<ul style="list-style-type: none"> For glazing works Low elastic modulus 	
Neutral Silicone 307	20
<ul style="list-style-type: none"> Moderate movement capability MEKO Free 	
Insulating Glass Silicone 341	20
<ul style="list-style-type: none"> Fast curing Compatible with SG sealants 	

Window & Door Elastic Gunfoam 198

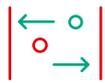


Airtight elastic gun foam for window and door installation



- Airtight structure
- Permanent elasticity
- Low post expansion, no warp
- All season (-5°C to +30°C)
- Excellent thermal and sound insulation properties
- Near-zero curing pressure
- Very good adhesion on many materials

Installing and sealing windows and doors.
Sealing other pressure-sensitive, narrow and moveable joints.
Insulating ventilation devices and pipe penetrations.
Enhancing thermal and sound insulation.
Reducing the impact of thermal bridges.



Low curing pressure



63 dB
Sound insulation



$\lambda = 0.033 \text{ W/(m}\cdot\text{K)}$
Thermal insulation



Interior & Exterior use

Colour



750 ml aerosol can



Window & Door Gunfoam 173



All season gun foam for filling, sealing and installation works



- Low curing pressure
- All season (-5°C to +30°C)
- Prevents thermal bridges
- High mechanical strength
- High yield

Installing and sealing windows and doors.
Sealing and filling holes, gaps and connecting joints.
Insulating penetrations.



High yield



$\lambda = 0.033 \text{ W/(m}\cdot\text{K)}$
Thermal insulation



62 dB
Sound insulation



Interior & Exterior use

Colour



750 ml aerosol can



Window & Door Gunfoam 55 156



- Works well in hot temperatures (up to +40°C)
- Moderate post expansion
- Excellent insulation properties
- Airtight structure
- Very good adhesion on many materials

Installing and sealing windows and doors.

Filling and sealing holes and gaps.

Sealing connecting joints.

Insulating penetrations.

High yield general purpose gun foam for installation works



High yield



Low curing pressure



$\lambda = 0.033 \text{ W/(m}\cdot\text{K)}$
Thermal insulation



Interior & Exterior use

Colour



750 ml aerosol can



High yield one-component polyurethane gun foam for window and door sealing and installation works.

Adheres well to most common construction materials such as wood, concrete, stone, plaster, metal, PVC and polystyrene.

Ensures airtight & soundproof sealing.

Application:

Air temperature during use: +5°C to +40°C.

Fill the joints up to approx. 65%.

Limitations:

Cured foam needs to be covered with a suitable material to protect against UV rays.

Do not cover before foam has fully cured.

Technical data

Properties	Value
Tack free time (EN 17333-3)	6...10 min
Cutting time (30 mm bead, EN 17333-3)	<30 min
Fully cured in joint, 3x5 cm (+23°C)	<8 h
Curing pressure (EN 17333-2, moistened surfaces)	<2 kPa
Post expansion (EN 17333-2)	<80%
Density in joint, 3x10 cm (WGM106)	12...16 kg/m ³
Dimensional stability (EN 17333-2, moistened surfaces)	<2%
Temperature resistance of cured product	-50...+90°C
Reaction to fire classification (EN 13501-1)	F
Fire class of cured foam (DIN 4102-1)	B3
Tensile strength / elongation (EN 17333-4, moistened surfaces)	>95/13 kPa / %
Compression strength (EN 17333-4, moistened surfaces)	>25 kPa
Shear strength (EN 17333-4, moistened surfaces)	>35 kPa
Thermal conductivity (EN 12667, EN 17333-5)	0,033 W/(m·K)
Sound reduction index Rst,w (EN ISO 10140)	62 dB
Water vapour permeability (EN 12086)	<0,06 mg/(m·h·Pa)

The values specified were obtained at +23°C and 50% relative humidity, unless otherwise specified. These values may vary depending on environmental factors such as temperature, moisture and type of substrates.

Air & Vapour Membrane 660



Fibre-reinforced vapour-proof mastic for sealing internal window and door joints



- Air and vapour proof
- Fibre-reinforced
- For rough and uneven surfaces
- Mould and UV resistant
- Sd value 42 m

Sealing, air and vapour proofing internal connecting and perimeter joints e.g. window and door joints, joints between floors and walls, walls and ceilings.

Sealing pipe and cable penetrations.



Elastic



Cleanable with water



Airtight



Interior use

Colour



1 kg / 5 kg bucket



Airtight Membrane 704



Elastic seamless liquid membrane for sealing external window and door joints



- Crack-bridging ability
- Vapour permeable
- Nearly no shrinkage
- Non-corrosive
- Sd value 1.74 m (2 mm layer)

Air and weatherproofing connecting joints such as window and door perimeter joints, penetrations through building envelope, etc.

Protecting against humidity and various weather conditions.

Can be used on horizontal and vertical surfaces.



Elastic



Weatherproof



Low VOC



Exterior use

Colour



600 ml foil package



Window & Door Silicone 312



High performance neutral silicone with high movement capability



- High movement capability ($\pm 25\%$) and permanent elasticity
- Low elastic modulus
- Perfect for glazing works
- UV and age resistant
- Excellent adhesion on a wide range of materials

All finishing, sanitation and ventilation sealing works.

Sealing joints with high movement capability, e.g., facade and window perimeter joints.

Filling, sealing, glazing interior and exterior joints.

Filling and weatherproofing joints between window and door frames.

CE F-EXT-INT-CC:25LM; G-CC:25LM; S

 Weatherproof	 25% movement capability	 Does not shrink	 Interior & Exterior use	Colour 300 ml cartridge 600 ml foil package	
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Multipurpose neutral silicone with high movement capability for interior and exterior building works.

Forms a flexible and weatherproof silicone rubber seal.

Application:

Surfaces to be sealed must be clean, dry and free from any dust, loose particles, oil and old sealant residues. Non-porous surfaces should be cleaned with solvent and a clean, non-fluffy cotton cloth. Solvent excess should be removed with a clean cloth.

If needed, cover the adjacent surfaces with masking tape. For wide joints, use a backer rod to ensure joints correct thickness and shape. Ensure sufficient ventilation at the working area.

During curing process, make sure that sealed surfaces stay clean and are not under mechanical stress.

Limitations:

Do not use at temperatures below $+5^{\circ}\text{C}$.

Not recommended for sealing natural stone surfaces e.g. marble and granite.

Technical data

Properties	Value
Basis	Oxime
Density (DIN 53 479-B)	1,01 g/ml
Tack free time	2...4 min
Skin forming time	5...10 min
Curing rate	approx.3 mm/24h
Loss of volume (ISO10563)	<10
Resistance to flow (ISO 7390)	0 mm
Application temperature	$+5...+40^{\circ}\text{C}$
Service temperature	$-40...+150^{\circ}\text{C}$
Movement capability (ISO 11600)	$\pm 25\%$
Elastic recovery (ISO 7389)	$>85\%$
Shore A hardness (ISO 868)	approx.18

Properties of cured sealant

E-Modulus 100% (ISO 8339)	0,25 N/mm ²
Tensile strength (ISO 8339)	0,35 N/mm ²
Elongation at break (ISO 8339)	$>250\%$

The values specified were obtained at $+23^{\circ}\text{C}$ and 50% relative humidity, unless otherwise specified. These values may vary depending on environmental factors such as temperature, moisture and type of substrates.

Window & Door Silicone 302



Multipurpose zero MEKO neutral silicone for glazing, filling and sealing works



- MEKO Free
- High movement capability ($\pm 25\%$)
- Weather and ageing resistant
- Low elastic modulus
- Perfect for glazing works

Sealing and weatherproofing moveable joints such as window, door, and facade joints.

Filling, sealing, glazing interior and exterior joints.



CE F-EXT-INT-CC:25LM; G-CC



Weatherproof



25% movement capability



Low odour

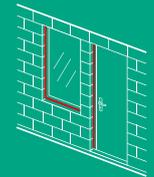


Interior & Exterior use

Colour



300 ml cartridge
600 ml foil package



Neutral Silicone 317



LMN silicone for window and door installation



- Low elastic modulus
- Perfect for glazing works
- Moderate movement capability
- UV and age resistant
- Non-corrosive

Sealing and weatherproofing joints with moderate movement capability.

Sealing window, door, and facade joints.

Filling, sealing, and glazing interior and exterior joints.

All finishing and sealing works.

CE F-EXT-INT-CC: G-CC; S



Weatherproof



Elastic



UV proof

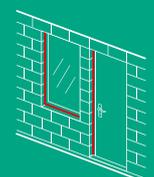


Interior & Exterior use

Colour



300 ml cartridge



Neutral Silicone 307



Zero MEKO neutral silicone for general building works



- MEKO Free
- Moderate movement capability
- Non-corrosive
- Weather and ageing resistant
- Perfect for glazing works

Sealing and weatherproofing joints with moderate movement capability.

Sealing window, door, and facade joints. Filling, sealing, and glazing interior and exterior joints.

CE F-EXT-INT-CC: G-CC



Weatherproof



Elastic

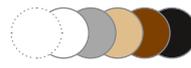


Low odour



Interior & Exterior use

Colour



300 ml cartridge



Insulating Glass Silicone 341



Neutral silicone for IG applications



- Fast curing
- Exceptional sealing properties
- Air and moisture resistant
- Excellent sound insulation properties
- Compatible with SG sealants

Sealing and bonding the components of insulating glass units (IGUs).

Improves thermal and sound insulation, condensation control, structural integrity and creates a moisture barrier.



Long-lasting



High adhesion



Airtight



Interior & Exterior use

Colour



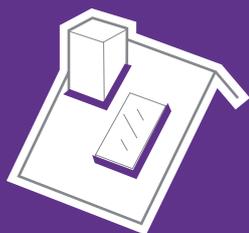
310 ml cartridge
600 ml foil package
20 l bucket
185 l drum





Suitable for:	Window & Door Elastic Gunfoam 198	Window & Door Gunfoam 173	Window & Door Gunfoam 55 156	Air & Vapour Membrane 660	Airtight Membrane 704	Window & Door Silicone 302	Window & Door Silicone 312	Neutral Silicone 307	Neutral Silicone 317	Insulating Glass Silicone 341
Plasterboard	●	●	●	●						
Concrete	●	●	●	●	●	●	●	●	●	
Bricks	●	●	●	●	●	●	●	●	●	
Ceramic tiles					●	●	●	●	●	
Wood	●	●	●	●	●	●	●	●	●	
Masonry	●	●	●	●	●	●	●	●	●	
Glass						●	●	●	●	●
Glazed surfaces					●	●	●	●	●	
Laminated glass										●
Low-e glass										●
Solar control glass										●
Warm edge spacers										●
Enamel						●	●	●	●	
Metals	●	●	●	●	●	●	●	●	●	●
PVC	●	●	●	●	●	●	●	●	●	
Polycarbonates						●	●	●	●	
EPDM					●					
EPS	●	●	●							
Varnished and painted surfaces	●	●	●	●	●	●	●	●	●	

For the latest information, please visit Penosil website: [Penosil.com/uk](https://www.penosil.com/uk)



Roof & Facade Category



Well protected and weather sealed structures and roofs

Roof & Facade category products provide the easiest way to achieve professional-looking and aesthetically pleasing results when doing exterior construction, renovation and finishing works.

The products in this category protect the building's structure against any weather conditions (rain, sun, snow, wind) and help to increase its energy efficiency.

All products in **Roof & Facade category** are characterised by their versatility and long-lasting properties. These products adhere to all the most common exterior building materials and can be exposed to different weather conditions shortly after application.

PU foams

EasySpray Foam 111

24

- Sprayable gun foam
- Very low (<0.1%) diisocyanate content

Hybrid sealants

Facade Joint Hybrid 25LM

25

- Sealing building deformation, connection and perimeter joints
- High movement capability

Solvent-based sealants

Butyl Sealant 444

25

- Sealing metal roofs
- "Self-healing" properties

Roof & Gutter Sealant 919

26

- Roof and guttering system repair works
- Can be in contact with bituminous surfaces

Oxime silicone sealants

Lead Flashing 385

27

- For roof repair works
- High movement capability

Structural Glazing Silicone 371

28

- Structural glazing works
- Very durable

Alkoxy silicone sealants

Facade & Glazing Silicone 340 & 340c

28

- Sealing glass curtain walling
- Non-sagging

EasySpray Foam 111



- Very low (<0.1%) diisocyanate content
- Excellent air tightness, thermal and sound insulation properties
- Enhanced UV resistance
- Quick and easy application
- Excellent adhesion to all common building materials
- Good movement capability
- Thickness of the insulation layer is freely selectable
- Spray applicator compatible with most foam guns

For thermal and sound insulation of lintels, door lintels, doors, ceilings, pipes, attics, balconies, garages, cellars, containers, vehicles, vessels and other construction parts with risk of thermal bridging. Insulating hard-to-reach surfaces and repairing the existing insulation layer. Reducing the impact of thermal bridges. Preventing condensation on cold surfaces.

Sprayable gun foam for thermal and sound insulation



CE EN 14315-1

				Colour	
Prevents thermal bridges	Prevents condensation	Elastic	Interior & Exterior use	700 ml aerosol can	

One-component, ready-to-use sprayable gun foam for sealing and insulating all types of inconvenient places, uneven and round surfaces, where using traditional insulation materials is difficult. Penosil EasySpray Foam 111 formula, together with our special patented spray nozzle, creates this foam's unique structure.

Penosil EasySpray Nozzle
Penosil's innovative and patented spray nozzle, made of flexible rubber, is compatible with most foam guns and attaches easily to the gun barrel.

The spray nozzle can be rotated between a vertical and horizontal position. Depending on the surface area to be covered, a broader spray trajectory may be preferable (horizontal position), or if a small area needs to be insulated, a vertical nozzle position should be used.

Application:

Air temperature during use: +10°C to +30°C.
The next layer can be applied in 60 minutes.
The optimum spraying distance is 40 cm from the surface.
One foam layer's thickness should be max. 2 cm.

Technical data

Properties	Value
Tack-free time (EN 17333-3)	<30 min
Rise time	<15 min
Fully cured (+23°C)	24 h
Post expansion (EN 17333-2)	100%
Density	12...16 kg/m ³
Short term temperature resistance of cured foam	-50...+70°C
Reaction to fire classification (EN 13501-1)	F
Fire class of cured foam (DIN 4102-1)	B3
Thermal conductivity (EN 12667, EN 17333-5)	0.033 W/(m·K)
Sound reduction index Rst,w (EN ISO 10140)	62 dB
Output (1 layer)	1 m ² /can

The values specified were obtained at +23°C and 50% relative humidity, unless otherwise specified. These values may vary depending on environmental factors such as temperature, moisture and type of substrates.

Facade Joint Hybrid 25LM



Hybrid facade joint sealant with high movement capability and long-lasting elasticity



- Elastic, high movement capability
- Weatherproof
- Practically odourless
- Adheres to humid surfaces
- Perfect for vertical joints
- Can be painted with water-based paints
- Excellent adhesion on many materials

Sealing building deformation, connection and perimeter joints, e.g. joints between concrete elements, masonry joints, window and door perimeter joints, staircases, balconies, etc.

Sealing various exterior and interior penetrations such as pipe and cable penetrations.

Suitable for ventilation work.



Product available on request

CE F-EXT-INT-CC:25LM



Elastic



Weatherproof



Low odour



Interior & Exterior use

Colour



290 ml cartridge
600 ml foil package*



Butyl Sealant 444



Weatherproof and durable butyl mastic for various exterior sealing works



- Permanently elastic
- "Self-healing" properties
- Very low vapour and gas permeability
- Non-corrosive to metals
- UV and weather resistant

Sealing metal roofs and lap joints between metal sheets.

Sealing and filling external window flashings.

Repairing roofs and guttering systems.

Airtight sealing and gluing of different membranes.

Sealing greenhouses.

*Available on request



Weatherproof



Long processing time

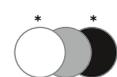


Low odour

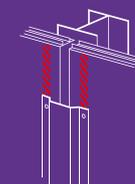


Interior & Exterior use

Colour



310 ml cartridge
600 ml foil package*



Roof & Gutter Sealant 919



Fast acting waterproof sealant for facade and roof repair works, can even be applied in wet conditions



- Mould, UV and weather resistant
- Paintable
- Adheres even to wet and slightly oily surfaces
- Can be in contact with bituminous surfaces
- High elasticity
- Non-sagging
- Silicone free

Roof repair works.

Excellent adhesion on many roofing materials, even on bituminous surfaces.

Repairing cracks and gaps even on wet and oily surfaces.

Sealing and repairing guttering systems.



Weatherproof



Elastic



Fast

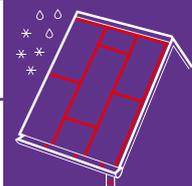


Interior & Exterior use

Colour



300 ml cartridge



Silicone free rubber-based sealant that can be used for facade and roof repair works.

Adheres well on most common roofing materials and can be applied even on wet, slightly oily or bituminous surfaces.

Limitations:

Does not adhere to polyethylene (PE), polypropylene (PP) or PTFE (Teflon®).

Do not use at temperatures below +5°C.

Not recommended for sealing natural stone surfaces, e.g. marble and granite.

If the sealed area is underwater for long periods, the sealant might turn yellow. However, discoloration does not affect the sealant's performance.

Technical data

Properties	Value
Basis	Synthetic rubber
Density (DIN 53 479-B)	0,95 g/ml
Skin forming time	15...20 min
Curing rate	1...2 mm/24h
Application temperature	-5 ... +40°C
Service temperature	-40 ... +100°C
Movement capability (ISO 11600)	±25 %
Shore A hardness (ISO 868)	20...30

The values specified were obtained at +23°C and 50% relative humidity, unless otherwise specified. These values may vary depending on environmental factors such as temperature, moisture and type of substrates.

Lead Flashing 385



Neutral silicone for all roofing and lead flashing work



- High movement capability
- Weatherproof
- UV and ageing resistant
- Non-corrosive to metals
- Solvent-free
- Excellent adhesion on many materials

Roof repair works.

Sealing and repairing guttering systems. Sealing roof lights, downpipes, lead flashings, chimney stacks, ventilation ducts, etc.

Sealing and weatherproofing connection joints between lead and other roofing materials, including glass and plastics.



*Available on request

CE F-EXT-INT-CC:25LM; G-CC:25LM



Elastic



Weatherproof



-40...+150°C
Withstands high temperature



Interior &
Exterior use

Colour



300 ml cartridge
600 ml foil package*



Neutral silicone for lead flashing applications and various roofing repair and sealing works.

Creates a durable and watertight seal between lead and other roofing materials.

Excellent adhesion with most common construction materials.

Application:

If needed, cover the adjacent surfaces with masking tape.

Due to the wide variety of construction materials, we recommend a preliminary compatibility test.

Application temperature between +5°C and +40°C.

Limitations:

Does not adhere to polyethylene (PE), polypropylene (PP) or PTFE (Teflon®).

Do not use at temperatures below +5°C.

Technical data

Properties	Value
Basis	Neutral oxime silicone
Consistency	Non-slump paste
Specific gravity (ISO 2811-1)	1,20 g/ml (depending on the colour)
Tack free time (OQ.06-internal)	Approx. 5 minutes (at 23°C; 50% R.H.)
Skin forming time (OQ.16-internal)	5-10 minutes (at 23°C; 50% R.H.)
Curing rate (OQ.18-internal)	Approx. 3 mm/24 h
Resistance to flow (ISO 7390)	0 mm (at 5°C and 50°C)
Elastic recovery (ISO 7389)	> 80% (at 100% elongation)
Loss of volume (ISO 10563)	< 30%
Shore A hardness (ISO 868)	27
Total VOC content (SCAQMD rule 1168)	Approx. 160 g/l
Application temperature	+5°C to +40°C
Service temperature	-40°C to +150°C
Tensile properties	
ISO 37 (2 mm thickness, S2 dumbbells, 7 days, 23°C; 50% R.H.)	
E-Modulus 100%	0,50 MPa
Tensile strength	1,50 MPa
Elongation at break	550%

These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. The time until complete curing may be extended at lower temperature, lower humidity or increasing film thickness.

Structural Glazing Silicone 371



Oxime silicone for structural glazing applications



SPECIFICATIONS
EN 13022-2
ETAG 002

- Excellent mechanical properties
- Weatherproof
- UV and ageing resistant
- Extremely durable
- All structural bonding applications

Adhering and sealing system for structural glazing works.

Fixing 2- and 4-sided glass panels to the metal facade structure.

Suitable for both vertical and horizontal curtain walls.

Fixing glass panels in high-rise buildings.



Long-lasting



Weatherproof



Withstands load



Interior & Exterior use

Colour



310 ml cartridge
600 ml foil package
25 kg bucket
220 kg drum



Facade & Glazing Silicone 340 & 340c



Elastic alkoxy silicone for sealing facade joints



- High movement capability
- Low elastic modulus
- UV and ageing resistant
- Perfect for glazing works
- Non-corrosive to metals

Sealing and filling facade panel joints.

Sealing glass curtain walling.

Sealing window and door perimeter joints.

Sealing various non-porous and porous surfaces.



CLASSE: MASTIC ÉLASTOMÈRE F25E

*Available on request

CE 340: F-EXT-INT-CC:25LM; G-CC; PW-INT
340c: F-EXT-INT-CC:25LM; G-CC



Elastic



Weatherproof



Low odour



Interior & Exterior use

Colour



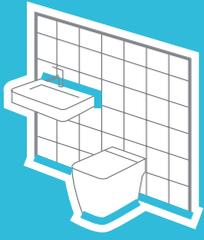
300 ml cartridge
600 ml foil package*





Suitable for:	EasySpray Foam 111	Butyl Sealant 444	Roof & Gutter Sealant 919	Facade Joint Hybrid 25LM	Lead Flashing 385	Facade & Glazing Silicone 340 & 340c	Structural Glazing Silicone 371
Plaster	●						
Plasterboard	●						
Ceramic tiles		●		●		●	
Concrete	●	●	●	●	●	●	
Bricks	●	●	●	●	●		
Stone	●					●	
Wood	●	●	●	●	●	●	
Masonry	●	●	●	●	●	●	
Glass		●	●	●		●	●
Laminated glass			●			●	●
Low-e glass							●
Solar control glass							●
Metals	●		●	●	●		●
Aluminium (lacquered, anodized)	●	●				●	●
PVC	●	●	●	●	●	●	
Polycarbonate						●	
Polyacrylate						●	
Plastics		●	●				
Polystyrene	●						
Bituminous materials			●				

For the latest information, please visit Penosil website: [Penosil.com/uk](https://www.penosil.com/uk)



Sanitary Category



Well-protected and aesthetically pleasing kitchens, bathrooms and cleanrooms

Penosil **Sanitary category** has all the products necessary for building, refreshing and renovating sanitary rooms.

The common purpose of these products is to protect sanitary rooms such as kitchens, bathrooms, food preparation areas, cold stores and cleanrooms from water infiltration, moisture, mould and bacteria.

Acetoxy silicone sealants

Sanitary Silicone 313	32
<ul style="list-style-type: none"> ■ Sealing joints in wet and humid areas ■ Retains its colour 	

Alkoxy silicone sealants

Cleanroom Silicone 342	32
<ul style="list-style-type: none"> ■ Sealing joints in cold-storage rooms ■ Low VOC 	

Oxime silicone sealants

Sanitary & Food-Grade Silicone 326	33
<ul style="list-style-type: none"> ■ Filling, sealing, glazing works ■ Highest sanitary class: XS1 	

Sanitary Silicone 313



Multipurpose acetoxy sanitary silicone for all sanitary applications



- Waterproof in just 30 minutes
- Mould resistant
- Household chemicals resistant
- Retains its colour
- Great workability
- Permanently elastic

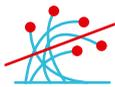
Sealing joints in wet and humid areas. Sealing connecting joints between tiled floors and walls, basins, toilets, baths and shower taps.



CE F INT-EXT-CC; G-CC; S



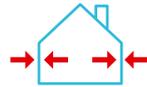
Elastic



Mould resistant



Easy to clean

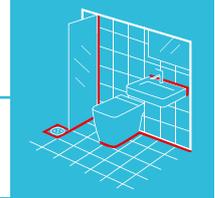


Interior & Exterior use

Colour



300 ml cartridge



Cleanroom Silicone 342



Neutral silicone for cleanrooms, cold rooms and other sanitary applications



- Great for cold-storage rooms
- Food safe
- Mould resistant
- Permanently elastic
- Excellent adhesion on a wide range of materials

Sealing and filling joints in cold-storage rooms, kitchens, operating theatres, bathrooms, laboratories and other areas subjected to microorganism growth such as fungus.

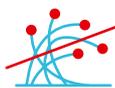
Sealing joints in wet and humid areas. Sealing connecting joints between tiled floors and walls, basins, toilets, baths and shower enclosures.



CE F INT-EXT-CC: 25LM; G-CC: 25LM; S-XS1



Low VOC



Mould resistant



Low odour

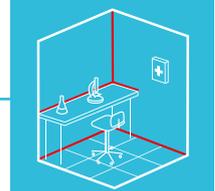


Interior & Exterior use

Colour



300 ml cartridge



Sanitary & Food-Grade Silicone 326



Multipurpose neutral silicone for sanitary applications, finishing and ventilation sealing works



Food safe



Mould resistant



UV proof



Interior & Exterior use

Colour



300 ml cartridge



- Highest sanitary class: XS1
- Household chemical resistant
- Non-corrosive to metals
- Non-sagging
- Great workability
- Mould, UV and ageing resistant
- Excellent bond with most materials
- High movement capability $\pm 25\%$
- Low elastic modulus

All finishing, sanitation and ventilation sealing works.

Filling, sealing, glazing indoors and outdoors.

Sealing connecting joints between tiled floors and walls, basins, toilets, baths, taps and shower enclosures.

Filling and weatherproofing joints between window and door frames.

CE F-EXT-INT-CC:25LM; G-CC:25LM; S: XS1

High-performance neutral silicone with low modulus, high elasticity, and exceptional movement capability.

This food safe formula offers long lasting and mould proof flexible rubber seal on a wide range of materials.

Application:

If needed, cover the adjacent surfaces with masking tape. For wide joints, use a backer rod to ensure joints correct thickness and shape. Ensure sufficient ventilation at the working area.

During curing process, make sure that sealed surfaces stay clean and are not under mechanical stress.

Limitations:

Do not use at temperatures below $+5^{\circ}\text{C}$.

Not recommended for sealing natural stone surfaces e.g. marble and granite.

Can not be used as mirror adhesive.

Technical data

Properties	Value
Basis	Oxime
Density (DIN 53 479-B)	1,01 g/ml
Tack free time	2...4 min
Skin forming time	5...10 min
Curing rate	approx. 3 mm/24h
Loss of volume (ISO10563)	<10 %
Resistance to flow (ISO 7390)	0 mm
Application temperature	$+5...+40^{\circ}\text{C}$
Service temperature	$-40...+150^{\circ}\text{C}$
Movement capability (ISO 11600)	$\pm 25\%$
Elastic recovery (ISO 7389)	>85 %
Shore A hardness (ISO 868)	approx. 18
Properties of cured sealant	
E-Modulus 100% (ISO 8339)	0,25 N/mm ²
Tensile strength (ISO 8339)	0,35 N/mm ²
Elongation at break (ISO 8339)	>250 %

The values specified were obtained at $+23^{\circ}\text{C}$ and 50% relative humidity, unless otherwise specified. These values may vary depending on environmental factors such as temperature, moisture and type of substrates.



Suitable for:	Sanitary Silicone 313	Cleanroom Silicone 342	Sanitary & Food-Grade Silicone 326
Concrete			●
Varnished wood	●	●	●
Bricks			●
Ceramic tiles	●	●	●
Glazed surfaces	●	●	●
Masonry			●
Glass	●	●	●
Aluminium (lacquered, anodized, painted)	●	●	●
Galvanised steel	●	●	●
Painted surfaces	●		
Most plastics	●	●	●

For the latest information, please visit Penosil website: [Penosil.com/uk](https://www.penosil.com/uk)



Decoration Category



Smooth and perfectly finished interior surfaces

Finishing works are the final step of a construction or renovation project in which the interior's final appearance is formed. Therefore, preparing surfaces properly before finishing works such as painting, plastering or wallpapering is essential.

Penosil's **Decoration** category offers a range of elastic, crack-proof and easy-to-use products to prepare the surfaces. If used together and in the correct sequence, these products guarantee extra-smooth and good-looking interior surfaces for a long time.

The foams, sealants and fillers in this category are compatible with most common paints and plasters and have excellent filling and insulating properties.

Acrylic fillers

PlasterSeal 650

37

- Filling plasterboard joints and screw holes
- Overpaintable after 4 hours

LightFiller 620

38

- Quick repair works before painting
- Overpaintable in 20 min

Acrylic sealants

SilAcryl Elastic 610

38

- Excellent for works where regular acrylics may fail
- Bright white and extra-smooth surface

Painters Acrylic 606

39

- Filling low movement joints
- Fine texture

PlasterSeal 650



Lightweight ready-mixed filler for plasterboard joints



- Lightweight
- Ready to use
- No need for joining tapes
- Non-shrinking, single layer application
- Quick drying, already over paintable after 4 hours
- Very high crack resistance

Filling tapered, half-rounded tapered and half rounded plasterboard edge joints without using any joining tapes.
Filling screw holes on plasterboards.



CE 4A



Does not shrink



Fast



Can be sanded



Interior use

Colour



5 l / 16 l bucket



Fast-drying and ready-mixed lightweight acrylic filler for filling plasterboard joints. It is very easy and fast to apply as there is no need for joining tapes and due to its very low shrinkage it only needs to be applied once.

Application:

Joint between two plasterboards must be around 2 to 4 mm.

Depending on the humidity and temperature, the drying time is 4 to 6 hours. After drying, it can be sanded, plastered and painted.

Consumption rate for tapered factory edge and half-rounded tapered factory edge is 0.2 l/m.

Limitations:

Cannot be applied on plasterboards with levelled cut edge or mixed edges.

Do not cover before product has fully dried.

Technical data

Properties	Value
Basis	Acrylic
Consistency	Non-slump paste
Density (DIN 53 479-B)	0.4 g/ml
Tack-free time	<10 min
Skin forming time	4...6 min
Loss of volume (ISO 10563)	3...5%
Resistance to flow (ISO 7390)	0 mm
Application temperature	+10...+40°C
Service temperature	+5...+75°C
Shelf life	24 months
Shore A hardness (ISO 868)	70

The values specified were obtained at +23°C and 50% relative humidity, unless otherwise specified. These values may vary depending on environmental factors such as temperature, moisture and type of substrates.

LightFiller 620



Lightweight acrylic filler for filling cracks and screw holes



- Lightweight
- Fast drying, overpaintable in 20 min
- Non-shrinking
- Easy to use, for quick repairs
- Remains bright white

Repairing and filling small cracks and gaps in plasterboard, concrete, bricks, stucco and other most common wall materials.

Quick repair works before painting.
Bedding compound for plasterboard joints.

Suitable for indoor horizontal and vertical surfaces.



CE 1A



Can be painted



Can be sanded



Does not shrink



Interior use

Colour



300 ml cartridge



SilAcryl Elastic 610



Paintable elastic sealant for filling moveable ($\pm 12.5\%$) gaps and joints



- Good movement capability ($\pm 12.5\%$)
- Remains elastic
- Bright white extra-smooth surface
- Interior and exterior use
- Easy to clean
- Practically odourless
- Can be painted

Sealing cracks and joints with moderate movement capability where regular acrylics may fail.

Sealing and filling connecting joints between window and door frames, inner corners of walls and ceilings.

Filling plasterboard joints with cut edges and covering screw holes.



CE F-INT-EXT-CC: 12,5E



Elastic



Low odour



Can be painted



Interior & Exterior use

Colour



300 ml cartridge
400 ml / 600 ml
foil package



Painters Acrylic 606



Acrylic sealant for filling gaps and joints before decorating works



- Non-sagging
- Can be painted
- Fine texture
- Easy to clean
- Low VOC
- Practically odourless
- Easy tooling

Filling cracks and joints with low movement capability.

Sealing porous surfaces such as concrete.

Ensuring smooth surfaces prior to painting and other finishing works.

Filling connecting joints between window or door frames and walls.



CE F-INT



Low odour



Can be painted



Cleanable with water



Interior use

Colour



280 ml cartridge



Plasto-elastic water-based acrylic sealant for filling gaps and joints before painting and other decorating works.

Forms a durable and flexible seal.

Its bright white and extra fine texture ensures smooth, perfectly finished, long-lasting surfaces.

Uncured product can be removed with water or **Penosil Multipurpose Wipes 943**. Cured product can be removed mechanically and then with a moist cloth.

To guarantee products longevity, once cured it is recommended to cover it with paint.

Limitations:

Do not use at temperatures below +5°C.

Not suitable for joints with movement capability of more than 7,5%.

Painting over before the product is fully cured may cause the paint to crack.

Technical data

Properties	Value
Basis	Acrylic
Consistency	Non-slump paste
Density (DIN 53 479-B)	1,7 g/ml
Skin forming time	20...30 min
Loss of volume (ISO10563)	<25 %
Application temperature	+5...+40°C
Service temperature	-20...+80°C
Shore A hardness (ISO 868)	49

Properties of cured sealant

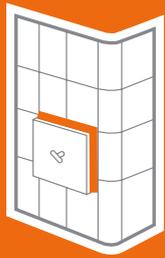
Tensile strength (ISO 37)	0,55 N/mm ²
Elongation at break (ISO 37)	>300 %

The values specified were obtained at +23°C and 50% relative humidity, unless otherwise specified. These values may vary depending on environmental factors such as temperature, moisture and type of substrates.



Suitable for:	PlasterSeal 650	LightFiller 620	SilAcryl Elastic 610	Painters Acrylic 606
Plasterboard	●	●	●	●
Plaster	●	●	●	
Concrete	●	●	●	●
Stone		●	●	
Bricks	●	●	●	
Ceramic tiles			●	●
Wood	●	●	●	●
Masonry	●	●	●	●
Glass			●	
Treated metals	●	●	●	●
PVC			●	●

For the latest information, please visit Penosil website: Penosil.com/uk



Fireproofing High Temperature Category



Fire-proof and heat-resistant structures

Penosil's **Fireproofing / High Temperature** category products have been developed for environments that are subject to or may become subject to extreme heat and fire. In this category, there are certified fire-retardant products that are able to withstand these extreme temperatures.

Extreme temperature products can be used for sealing and filling works in places such as chimneys, ovens, fireplaces, stoves, and even sealing mechanical parts exposed to high temperatures.

Fire retardant products can be used for insulation and sealing works in areas where heightened fire resistance is required, such as fire-proof doors, windows and walls.

Using **Fireproofing / High Temperature** category products correctly helps to prevent the spread of flames, smoke and toxic substances in the event of a fire.

PU foams

Fire Rated Gunfoam B1 187	43
<ul style="list-style-type: none"> ■ Installing fire-proof doors and windows ■ B1 fire class (DIN) 	
Fire Rated Foam B1 296	44
<ul style="list-style-type: none"> ■ Sealing joints in fire-rated walls ■ B1 fire class (DIN) 	

Hybrid sealants

FireStop Hybrid 720	44
<ul style="list-style-type: none"> ■ Sealing fire-resistant expansion and connection joints ■ UV, weather and ageing resistant 	

Oxime silicone sealants

FireStop Silicone 331	45
<ul style="list-style-type: none"> ■ Sealing fire-proof window- and door frames ■ High movement capability ($\pm 25\%$) 	

Acrylic sealants

FireStop Intumescent Acrylic 681	45
<ul style="list-style-type: none"> ■ Expands with heat ■ Withstands fire up to 4 hours 	
FireStop Intumescent Graphite Acrylic 682	46
<ul style="list-style-type: none"> ■ With added graphite ■ Prevents the passage of fire and hot gases 	
FireStop Acrylic 618	46
<ul style="list-style-type: none"> ■ Sealing interior fire-resistant joints ■ Withstands fire up to 4 hours 	

Fire Rated Gunfoam B1 187



Fire-rated gun foam for installation and sealing works

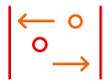


- Fire resistant up to 240 minutes
- B1 fire class (DIN) and B-s1,d0 (EN)
- Low expansion
- High mechanical strength
- Excellent thermal and sound insulation
- Very good adhesion to many materials

Installing fire-proof doors and windows.
Sealing joints in fire-rated walls.

Sealing and filling works in places where heightened fire safety requirements apply.

Enhancing thermal and sound insulation.
Reducing the impact of thermal bridges.



Low curing pressure



$\lambda = 0.030 \text{ W/(m}\cdot\text{K)}$
Thermal insulation



62 dB
Sound insulation



Interior & Exterior use

Colour



750 ml aerosol can



Fire-rated one-component polyurethane gun foam for installing and sealing fire-proof doors, windows, walls and other sealing works in places with heightened fire safety requirements.

Adheres well to most materials, such as wood, concrete, stone, plaster, metal, PVC and polystyrene.

Application:

Air temperature during use: +5°C to +30°C.

Fill the joints up to approx. 75%.

Limitations:

Cured foam needs to be covered with a suitable material to protect against UV rays.

The values specified were obtained at +23°C and 50% relative humidity, unless otherwise specified. These values may vary depending on environmental factors such as temperature, moisture and type of substrates.

Technical data

Properties	Value
Tack-free time (EN 17333-3)	6...10 min
Cutting time (30 mm bead, EN 17333-3)	<30 min
Fully cured in joint, 3x5 cm (+23°C)	<8 h
Curing pressure (EN 17333-2, moistened surfaces)	<3 kPa
Post expansion (EN 17333-2)	<50%
Density in joint, 3x10cm (WGM106)	17...22 kg/m ³
Dimensional stability (EN 17333-2, moistened surfaces)	<1%
Temperature resistance of cured product	-50...+90°C
Fire resistance class (EN 13501-2)	Up to EI240
Reaction to fire classification (EN 13501-1)	B-s1,d0
Fire class of cured foam (DIN 4102-1)	B1
Tensile strength / elongation (EN 17333-4, moistened surfaces)	>95 / 14 kPa/%
Compression strength (EN 17333-4, moistened surfaces)	>40 kPa
Shear strength (EN 17333-4, moistened surfaces)	>45 kPa
Thermal conductivity (EN 12667, EN 17333-5)	0.03 W/(m·K)
Sound reduction index Rst,w (EN ISO 10140)	62 dB
Water vapour permeability (EN 12086)	<0.06 mg/(m·h·Pa)

Fire Rated Foam B1 296



Fire-rated straw foam for installation and sealing works



- Fire resistant up to 240 minutes
- B1 fire class (DIN) and B-s1,d0 (EN)
- High expansion
- High mechanical strength
- Very good adhesion to many materials

Installing fire-proof doors and windows.
Sealing joints in fire-rated walls.
Sealing and filling works in places where heightened fire safety requirements apply.



Big expansion



$\lambda = 0.033 \text{ W/(m}\cdot\text{K)}$
Thermal insulation



62 dB
Sound insulation



Interior & Exterior use

Colour



760 ml aerosol can



FireStop Hybrid 720



Hybrid sealant for fireproofing joints and sealing penetrations in fire-rated structures



- Excellent movement capability
- Non-corrosive
- Prevents the passage of fire and hot gases
- UV, weather and ageing resistant
- Easy tooling

Filling and sealing various interior and exterior joints.
Sealing fire-resistant expansion and connection joints.
Fire-resistant sealing of concrete wall units and passive fire safety walls.



CE F-EXT-INT-CC; 25HM



Low odour



Weatherproof



Withstands high temperature



Interior & Exterior use

Colour



290 ml cartridge



FireStop Silicone 331



Neutral silicone for fireproofing joints exposed to fire



Elastic



Withstands high temperature



Weatherproof



Interior & Exterior use

Colour



300 ml cartridge



- Withstands fire up to 4 hours
- High movement capability ($\pm 25\%$)
- UV, weather and ageing resistant
- Halogen, solvent and asbestos free
- Low odour

Weatherproofing and sealing expansion joints where fire resistance is required.

Sealing fire-proof window- and door frames.

Sealing ventilation and smoke ducts, cable passages, pipe penetrations, etc.



* Available on request

CE F-INT-EXT-CC:25HM

FireStop Intumescent Acrylic 681



Acrylic-based intumescent sealant for fireproofing joints and sealing penetrations in fire-rated structures



Expands with heat



Can be painted



Low odour



Interior use

Colour



300 ml cartridge
400 ml / 600 ml foil package



- Withstands fire up to 4 hours in a piping and linear joint
- Reaction to fire C-s1,d0
- Prevents the passage of fire and hot gases
- Expands with heat
- Halogen, solvent and asbestos free
- Excellent adhesion on many materials

Sealing interior low movement joints where passive fire resistance is required.

Sealing joints in slabs, partition walls, window- and door frames.

Sealing gaps around pipes, cables, ducts, services and small openings which penetrate firewalls and floors.



CE F-INT

FireStop Intumescent Graphite Acrylic 682



Acrylic-based intumescent sealant with graphite, expands with heat and blocks all passage of smoke and fire



- Withstands fire up to 4 hours in a piping and linear joint
- Reaction to fire C-s1,d0
- Added graphite guarantees high expansion
- Expands with heat to block fire and smoke
- Halogen, solvent and asbestos free
- Movement capability ± 12.5%

Sealing interior low movement joints where passive fire resistance is required.

Sealing joints in slabs, partition walls, window- and door frames.

Sealing gaps around pipes, cables, ducts, services and small openings which penetrate firewalls and floors.



CE F-INT



Expands with heat



Can be painted



Low odour



Interior use

Colour



300 ml cartridge
400 ml / 600 ml
foil package



FireStop Acrylic 618



Acrylic sealant for fireproofing low-expansion construction joints and sealing penetrations in fire-rated structures



- Withstands fire up to 4 hours
- Halogen, solvent and asbestos free
- Non-sagging
- Easy tooling
- Can be painted

Sealing interior fire-resistant joints.

Sealing low-movement prefabricated joints, partition walls, window and door frames.

Sealing penetrations such as pipes, conduits, etc.

Repairing cracks in concrete plaster.



CE F-INT



UV proof



Can be painted



Low odour



Interior use

Colour

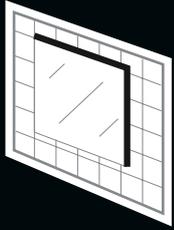


300 ml cartridge





Suitable for:	Fire Rated Gunfoam B1 187	Fire Rated Foam B1 296	FireStop Silicone 331	FireStop Hybrid 720	FireStop Intumescent Acrylic 681	FireStop Intumescent Graphite Acrylic 682	FireStop Acrylic 618
Plasterboard	●	●	●		●	●	●
Plaster	●	●			●	●	
Concrete	●	●	●	●	●	●	●
Stone	●	●					●
Bricks	●	●		●	●	●	●
Ceramic tiles			●	●	●	●	●
Wood	●	●	●	●	●	●	●
Masonry	●	●	●		●	●	●
Glass			●	●	●	●	●
Treated metals	●	●	●	●	●	●	●
Aluminium (lacquered, anodized, painted)	●	●					
EPS	●	●					
Plastics	●	●		●	●	●	



Adhering Category



Quick, versatile and strong bonding solutions

Gluing is often the only way to fixate some materials. Penosil's **Adhering** category products provide a fast, solid and durable fixation with a wide range of materials. Penosil's adhesives can be used for many interior and exterior construction works, from simple mirror installation to fixing building blocks, plasterboards and insulation panels.

In our adhesives range, you can find a variety of innovative foams, sealants, putties and sprays in multiple packaging options.

Foam adhesives

SpeedFix Construction 878 50

- Fixing and sealing insulation boards, construction blocks and plaster boards, etc.
- All-season use (-5°C to +30°C)

Fast Foam Adhesive 888 51

- Replaces traditional adhesives
- Extra-fast and strong bond

Solvent-based adhesives

SpeedFix Universal 907 51

- Multipurpose and high performance
- All-season use (-10°C to +40°C)

SpeedFix Clear 909 52

- For glass surfaces
- Transparent and affordable

SpeedFix Spray Adhesive 901 52

- Heavy-duty
- For porous and non-porous materials

Hybrid adhesives

Hybrid Polymer Turbo-Tack 701 53

- Impact and vibration absorbing
- Extremely high initial tack

SpeedFix Seal&Bond 750 54

- General construction works
- Does not affect reflective layer

SpeedFix Seal&Bond 751 55

- Extra-strong and transparent bond
- Can be used on humid surfaces

EPDM Adhesive 740 55

- Bonding and repairing various EPDMs
- UV- and weatherproof

SpeedFix Crystal 799 56

- For metal and glass surfaces
- Strong, transparent and elastic bond

ParquetFix Easy 748 56

- Installing wooden floorings
- Withstands load

Acrylic adhesives

SpeedFix DuraGrip 617 57

- Interior decoration and finishing works
- Moisture proof

Floor&Wall UltraFix 665 57

- Installing soft floor- and wall-covering materials
- Low viscosity

PU adhesives

SpeedFix Seal&Bond PU 860 58

- For vertical and horizontal expansion joints
- Fast curing

Special adhesives

SpeedFix Mirror 364 58

- High movement capability
- Does not affect reflective layer

Aquarium Silicone 380 59

- Sealing and gluing aquariums and glass partition wall systems
- Safe for aquatic life

SpeedFix Chemical Anchor 597 59

- Anchoring on vertical and horizontal surfaces
- For brick and concrete surfaces

SpeedFix Cyano Activator 625 60

- Instant glue activator
- For non-porous and porous surfaces

SpeedFix Cyano 626 60

- Instant glue
- For vertical surfaces

SpeedFix Construction 878



Foam adhesive with EasyGun applicator for fixing and sealing rigid insulation and plaster boards

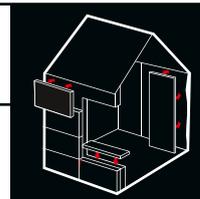
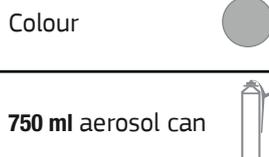
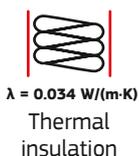


- All-season (-5°C to +30°C)
- Low curing pressure and post expansion
- Strong structure
- Adhering and sealing narrow joints
- Special EasyGun applicator
- Great adhesive properties
- Thermal and sound insulation

Fixing insulation boards on facades and foundations.

Fixing interior dry lining construction boards.

Fixing windowsills and adhering construction blocks.



Foam adhesive with EasyGun applicator for fixing insulation boards, plasterboards, windowsills construction blocks, etc. Excellent adhesive and thermal insulation properties.

SpeedFix Construction 878 is a truly versatile product, as it can be used with a traditional foam gun or our patented EasyGun applicator.

Penosil EasyGun applicator allows filling and insulation of narrow and deep gaps and other hard-to-access joints. The applicator can access cracks and gaps that are impossible to seal with traditional foam straw or gun.



EasyGun applicator is easy to use and can be attached to the gun valve in just a few simple movements.

Limitations:

Cured foam needs to be covered with a suitable material to protect against UV rays.

Not recommended for bituminous surfaces.

Windowsills must have additional constructional support, foam can only be used as an adhesive.

Technical data

Properties	Value
Tack-free time (EN 17333-3)	5...10 min
Cutting time (30 mm bead, EN 17333-3)	<30 min
Post expansion (EN 17333-2)	<1.5%
Dimensional stability (EN 17333-2, moistened surfaces)	<1%
Temperature resistance of cured foam adhesive	-50...+90°C
Fire class of cured foam adhesive (DIN 4102-1)	B2%
Thermal conductivity (EN 12667, EN 17333-5)	0.034 W/(m·K)
Sound reduction index Rst,w (EN ISO 10140)	62 dB
Shear strength (8 mm)*	>47 kPa
Bond strength (8 mm)*	0.12 MPa
Bond strength (8 mm, at temp +5°C)*	0.10 MPa
Bond strength (8 mm, at temp -5°C)*	0.08 MPa
Average shear strength in masonry**	>0.43 MPa
Average compression strength in masonry**	>2.6 MPa

* Tested according to EOTA TR046 - Test methods for foam adhesives for ETICS.

** Tested with autoclaved aerated concrete blocks. All tested specimens broke from the block.

Fast Foam Adhesive

888




Multipurpose foam adhesive with extra-fast and strong bond



- Fast curing
- Replaces traditional adhesives
- Fast and easy to use
- Solvent-free
- Low VOC
- High yield

Fixing insulation boards on facade and foundation.

Fixing interior wall boards and windowsills.

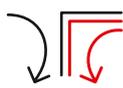
Installing plinths, profiles, insulation and decorative boards, wooden and plaster decorative elements, etc.



Fast



Withstands load



Prevents thermal bridges

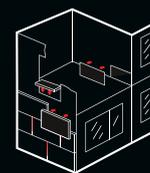


Interior & Exterior use

Colour



665 ml aerosol can



SpeedFix Universal

907



Synthetic-rubber-based mounting adhesive for interior and exterior use



- Strong and fast bonding
- All season (-10°C to +40°C)
- Interior and exterior use
- Can be painted
- Water resistant

Installing wooden elements and construction panels.

Fastening door and floor skirting boards.

Gluing plaster decorations and wall panels.

Strengthening screw attachments and reducing the quantity of screws needed.



Fast



Withstands load



Winter use



Interior & Exterior use

Colour



290 ml cartridge



SpeedFix Clear 909



Transparent multi-purpose elastic adhesive for mounting works



- Extra-fast and strong bonding
- Elastic and transparent structure
- UV and weather resistant
- Interior and exterior use
- Can be painted

Installing various elements such as skirting boards, panels, floor and door fillets, mouldings, strips, profiles, railings, mailboxes, signs, etc.

Product available on request



Fast



Weatherproof



Can be painted



Interior & Exterior use

Colour



290 ml cartridge



SpeedFix Spray Adhesive 901



Multipurpose synthetic rubber-based spray adhesive



- Heavy-duty
- Instant grab
- Convenient, clean and easy to use
- Long tack life
- Extra-strong and durable bond

Bonding a large variety of porous and non-porous materials such as wood, plastics, metals, fabrics, cardboard and paper.

Bonding materials in construction, furniture, automotive, packaging, etc. industries.

Gluing wind barrier tapes to surfaces.



Fast



Long-lasting



High adhesion

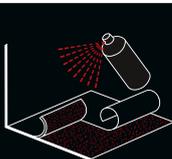


Interior & Exterior use

Colour



500 ml aerosol can



Hybrid Polymer Turbo-Tack 701



- Extremely high initial grab
- Interior and exterior use
- Can be used on humid surfaces
- Forms a strong and elastic bond
- Excellent adhesion on a wide range of materials
- UV, weather and ageing resistant
- Silicone, isocyanate and solvent free
- Non-corrosive
- Impact and vibration absorbing
- Can be painted

Interior and exterior gluing and sealing works, where a fast, permanently elastic and strong bond is required.

Installing plinths, profiles, insulation, decorative boards, etc.

Strengthening screw connections.

Suitable for uneven surfaces.

Extremely strong hybrid adhesive
with high initial grab



*Available on request



Withstands
load



Fast



Waterproof

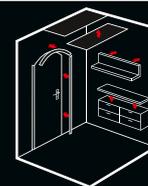


Interior &
Exterior use

Colour



290 ml cartridge



Multipurpose high-quality hybrid adhesive with extremely high initial tack for interior and exterior use.

Forms an extra-fast and strong bond with a wide range of materials, including metal creates a strong bond on uneven surfaces.

Limitations:

Cannot be used as structural glazing adhesive.

Does not adhere to polyethylene (PE), polypropylene (PP) or PTFE (Teflon®).

These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. The time until complete curing may be extended at lower temperature, lower humidity or increasing film thickness.

Technical data

Properties	Value
Basis	Hybrid Polymer
Consistency	Non-slump paste
Specific gravity (ISO 2811-1)	Approx. 1,55 g/ml
Skin forming time (OQ.16-internal)	5-10 minutes (at 23°C; 50% R.H.)
Curing rate (OQ.18-internal)	2-3 mm/24 h
Resistance to flow (ISO 7390)	Approx. 0 mm (at 5°C and 50°C)
Total VOC content (SCAQMD rule 1168)	Approx. 27 g/l
Consumption (Nozzle diameter: 8 mm)	Approx. 60 ml/linear meter
Shore A Hardness (ISO 868)	65
Application temperature	+5°C to +40°C
Service temperature	-40°C to +90°C
Tensile properties	
ISO 37 (2 mm thickness, S2 dumbbells, 7 days, 23°C; 50% R.H.)	
E-Modulus 100%	1,80 MPa
Tensile strength	2,50 MPa
Elongation at break	> 250%

SpeedFix Seal&Bond 750



Elastic hybrid adhesive sealant with high tack and strong bond



- Fast and strong bonding
- High initial grab
- Does not affect reflective layer
- Adhesion with many materials
- Does not need primers
- Interior and exterior use

Interior and exterior gluing and sealing works.

Installing plinths, profiles, insulation, decorative panels, etc.

Suitable for movable joints and uneven surfaces.

Strengthening screw connections.



CE F-EXT-INT



Elastic



Fast



Weatherproof

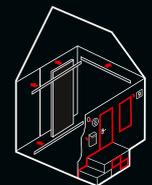


Interior & Exterior use

Colour



290 ml cartridge



A truly versatile hybrid product; it can be used as a sealant and as an adhesive.

Forms a fast and strong bond with a wide range of materials. Suitable for metal and uneven surfaces, and for moveable joints.

Application:

Surfaces must be clean, dry and free from any dust, loose particles and oil residues.

Non-porous surfaces should be cleaned with solvent and a clean, non-fluffy cotton cloth. Excess solvent should be removed with a clean cloth.

During the curing process, protect the adhesive against moisture and provide support until product is fully cured.

Ensure sufficient ventilation at the working area.

Limitations:

Not suitable for glazing activities.

Technical data

Properties	Value
Basis	Hybrid polymers
Consistency	Non-slump paste
Specific gravity (ISO 2811-1)	Approx. 1,58 g/ml
Skin forming time (OQ.16-internal)	15-20 minutes (at 23°C; 50% R.H.)
Curing rate (OQ.18-internal)	2-3 mm/24 h
Resistance to flow (ISO 7390)	Approx. 0 mm (at 5°C and 50°C)
Consumption (Nozzle diameter: 8 mm)	Approx. 50 ml/linear meter
Shore A hardness (ISO 868)	Approx. 58
Application temperature	+5°C to +40°C
Service temperature	-30°C to +80°C
Tensile properties	
ISO 37 (2mm thickness, 52 dumbbells, 7 days, 23°C; 50% R.H.)	
E-Modulus 100%	1,70 MPa
Tensile strength	2,20 MPa
Elongation at break	> 200%

These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. The time until complete curing may be extended at lower temperature, lower humidity or increasing film thickness.

SpeedFix Seal&Bond 751



Transparent hybrid adhesive sealant with high tack and strong bond



- Crystal clear
- Fast and strong bond
- Non-shrinking
- Can be used on humid surfaces
- Non-corrosive

Interior and exterior gluing and sealing works, where an extra-strong and transparent bond is required.

Installing plinths, profiles, insulation and decorative boards, etc.

Gluing panels in caravans, motor homes, commercial vehicles.



CE F-INT



Elastic



Low odour



Withstands load



Interior & Exterior use

Colour



290 ml cartridge



EPDM Adhesive 740



Elastic rubber-based adhesive for bonding and repairing various EPDM surfaces



- Excellent adhesion on various EPDM membranes
- Forms a strong and elastic bond
- UV- and weatherproof
- Non-shrinking
- Fast curing

Bonding EPDM membranes together vertically and horizontally.

Adhering EPDM membranes to various construction materials.

Carrying out EPDM works on roofs.

Bonding and repairing EPDM sheets in gutters, cavities, pipes and tanks.

Repairing submerged leaks and liner splits.



Elastic



Weatherproof



Can be painted

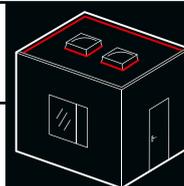


Interior & Exterior use

Colour



290 ml cartridge
600 ml foil package



SpeedFix Crystal 799



Fast and strong transparent hybrid adhesive with high initial tack and good elasticity for interior and exterior use



- Crystal clear
- Fast and strong bond with high initial grab
- Non-shrinking
- Non-corrosive
- Interior and exterior use

High performance interior and exterior gluing and sealing works, where an extra-strong and transparent bond is required.

Installing plinths, profiles, insulation and decorative boards, etc.

Gluing panels in caravans, motor homes, commercial vehicles.

Good vibration- and noise-insulating properties.

Suitable for uneven surfaces.



CE F-INT



Elastic



Low odour



Withstands load



Interior & Exterior use

Colour



290 ml cartridge



ParquetFix Easy 748



Hybrid parquet adhesive for all types of wooden flooring



- Easy to use
- Suitable for underfloor heating
- Withstands load
- Compensates wood's expansion and contraction
- Silicone, isocyanate and solvent free

Installing massive, mosaic-, slatted-, two- / three-layered parquets (DIN/EN 13489).

Installing industrial parquets and wooden boarding.



Elastic



Sound insulation



Long processing time



Interior use

Colour



16 kg bucket



SpeedFix Duragrip 617



Multipurpose high tack acrylic adhesive for interior use



- Strong initial tack
- UV and moisture proof
- Solvent free
- Can be painted
- Very good adhesion on many materials

Bonding different construction materials. Installing wood and plasterboard panels. Installing door and floor mouldings and various decorative details.*

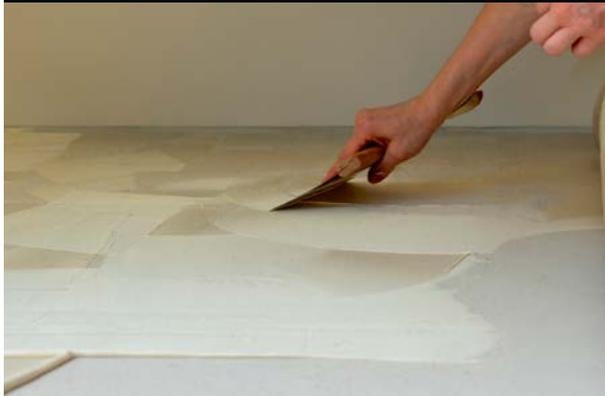


Product available on request

		
Low odour	Can be painted	Cleanable with water

	Colour 	
Interior use	280 ml cartridge 	

Floor&Wall UltraFix 665



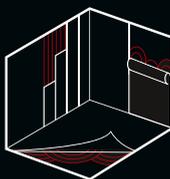
Acrylic adhesive for gluing various soft floor- and wall-covering materials



- Suitable for underfloor heating
- Low viscosity
- Low VOC
- Easy to use
- Excellent adhesion on many materials

Installing various floor and wall coverings, including carpets, to absorbing and non-absorbing substrates.

		
Elastic	Low odour	Cleanable with water

	Colour 	
Interior use	15 kg bucket 	

SpeedFix Seal&Bond PU 860



Flexible PU adhesive sealant with fast curing and weatherproof properties



- Fast curing
- Weather and ageing resistant
- For joints up to 40 mm in width
- Good vibration and impact absorption
- Does not sag or create bubbles
- Extremely long service life

Sealing vertical and horizontal expansion joints.

Sealing and bonding materials in construction.

Sealing precast elements and concrete walls.

Fixing, bonding and sealing roof tiles, gutters, baseboards, etc.

Sealing and bonding in ship building applications.



*Available on request



Elastic



Airtight



Can be painted



Interior & Exterior use

Colour



300 ml cartridge



SpeedFix Mirror 364



Neutral silicone based mirror adhesive with strong and permanently flexible bond



- Fast and strong bonding
- High movement capability
- Does not affect reflective layer
- Adhesion with many materials
- Does not need primers
- Easy to use

Installing mirrors on most common surfaces.

Installing and sealing stained glass and other vitrified surfaces.



Waterproof



Low odour



High Adhesion

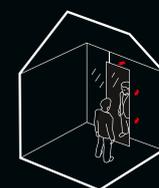


Interior & Exterior use

Colour



300 ml cartridge



Aquarium Silicone 380



Acetoxy silicone for sealing aquariums and other glass structures



- Safe for aquatic life
- Non-sagging
- Works well with fresh and salt water
- Waterproof
- Fast curing

Constructing glass aquariums, terrariums and other glass structures.

Sealing interior partition walls and bonding glass blocks.



UV proof



Elastic



Does not shrink



Interior use

Colour



300 ml cartridge



SpeedFix Chemical Anchor 597



Two-component fast-curing chemical anchor with vinylester injection system



- Withstands heavy loads
- Can be used in damp and underwater conditions
- Styrene-free
- Extra durable
- Non-corrosive to metals

Universal anchoring system for threaded bolts, hooks, pipes and steel rods.

Anchoring bricks, stones, cement and concrete elements.

Repairing fissures and filling in vertical or horizontal concrete surfaces.



Withstands load



Weatherproof



Long lasting

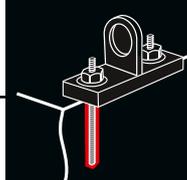


Interior & Exterior use

Colour



300 ml cartridge



SpeedFix Cyano Activator 625



- Adhesion promotor, ensures quick and strong fixation
- Improves mechanical resistance
- Fast curing
- Suitable for materials with different elongations
- Precise dosing

Bonding a very wide range of materials, even on acidic and porous surfaces.

Bonding materials where cure speed needs to be accelerated.

Adhering close-fitting parts such as interior equipment in vehicles (e.g., indicators, displays, etc.).

Instant glue activator with extra-fast and strong bond



Fast



Withstands load



Low odour

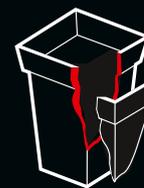


Interior & Exterior use

Colour



200 ml spray bottle



SpeedFix Cyano 626



- Fast curing
- Extremely high initial grab
- Withstands load
- Excellent adhesion on many materials
- Suitable for vertical surfaces

Bonding a very wide range of materials, including on acidic and porous surfaces.

Bonding materials where cure speed needs to be accelerated.

Adhering close-fitting parts.

Instant glue with extra-fast and strong bond



Fast



Withstands load



Low odour

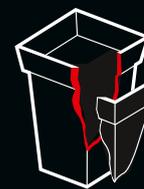


Interior & Exterior use

Colour



20 g / 50 g bottle

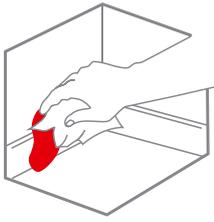




Suitable for:	SpeedFix Construction 878	SpeedFix Universal 907	Fast Foam Adhesive 888	SpeedFix Clear 909	Hybrid Polymer Turbo-Tack 701	SpeedFix Seal&Bond 750	SpeedFix Seal&Bond 751	EPDM Adhesive 740	SpeedFix Crystal 799	ParquetFix Easy 748
Wood	●	●	●	●	●	●	●	●	●	
MDF	●	●		●					●	
OSB	●									
Chipboard	●	●		●					●	
Masonry	●	●	●	●	●	●	●	●	●	●
Concrete	●	●	●	●	●	●	●	●	●	●
Ceramics		●	●	●			●		●	
Plaster	●	●	●	●					●	
Metals	●	●		●	●	●	●	●	●	
Aluminium	●	●		●	●	●	●	●	●	
Glass		●		●			●		●	
PVC	●				●	●	●		●	
EPDM		●		●	●	●		●	●	
Fiberglass	●	●		●					●	
Construction panels	●	●	●	●					●	●
Plasterboard	●	●	●	●					●	●
Parquet										●
Window tapes		●		●						
Self-levelling compounds	●	●		●						●
Thermal insulation boards	●		●							●
Hard wool	●									
Polystyrene	●									

Suitable for:	SpeedFix Duragrip 617	Floor&Wall UltraFix 665	SpeedFix Seal&Bond PU 860	SpeedFix Chemical Anchor 597	SpeedFix Cyano Activator 625	SpeedFix Cyano 626	SpeedFix Mirror 364	SpeedFix Spray Adhesive 901
Wood	●	●	●	●	●	●	●	●
MDF, chipboard	●	●			●	●		●
Concrete, masonry	●	●	●	●	●	●	●	●
Natural stone			●					
Roof tiles			●					
Ceramics	●				●	●	●	●
Plaster	●	●	●		●	●		●
Metals	●		●	●	●	●	●	●
Aluminium	●		●		●	●		●
Glass			●		●	●	●	●
Mirror							●	
PVC	●	●	●		●	●		●
Construction panels	●	●						●
Plasterboard	●	●						●
Soft floor cover		●						
Self-levelling compounds		●						
Polystyrene	●							

For the latest information, please visit Penosil website: Penosil.com/uk



Cleaning Category



Clean and flawless surfaces and tools

Under the **Cleaning category**, we have combined all the products that make cleaning hands, tools and surfaces quick and easy.

Cleaning the tools after the work has finished is essential to guarantee their correct functioning for many years.

Penosil **Cleaning category** products help to achieve a flawless finish every time.

Solvent based cleaners

Foam Cleaner 929	64
<ul style="list-style-type: none"> ■ Cleaning uncured PU foam ■ Sprayable 	
Foam Remover 995	64
<ul style="list-style-type: none"> ■ Removing cured PU foam ■ For tools and surfaces 	
Multipurpose Wipes 943	65
<ul style="list-style-type: none"> ■ Multipurpose cleaning wipes ■ For hands, tools, clothes and surfaces 	
Glass Cleaner 945	65
<ul style="list-style-type: none"> ■ For all types of glass ■ Static-Free Finish 	
PVC, PVCu Cleaner 946	66
<ul style="list-style-type: none"> ■ Smear free ■ Foil safe 	
Pear Drop Cleaner 947	66
<ul style="list-style-type: none"> ■ For cleaning PVCu materials ■ With pear drop odour 	

Foam Cleaner

929



- Instant results
- 2-in-1: use with foam gun or spray nozzle
- Efficient cleaning
- Easy and fast to use
- Sprayable

Cleaning inside and outside of foam gun after finishing work.

Cleaning clothes and tools of uncured construction foam.

Cleaning of window frames, windowsills, doors, jambs, etc. of uncured construction foam during working.

Cleaner for removing uncured PU foam from tools and surfaces



<p>Easy to clean</p>	<p>Sprayable</p>	<p>Fast</p>	<p>Interior & Exterior use</p>	<p>Colour</p>	
				<p>500 ml aerosol can</p>	

Foam Remover

995



- Softens cured PU foam
- Efficient cleaning
- Easy to use
- For tools and surfaces
- Dissolves different surface treatments

Cleaning tools and surfaces (e.g., window frames, doors, etc.) of cured construction foam.

Dissolving and cleaning different surface treatments (e.g., paints, lacquers).

Cured PU foam cleaner for tools and surfaces



<p>Easy to clean</p>	<p>Fast</p>	<p>Sprayable</p>	<p>Interior & Exterior use</p>	<p>Colour</p>	
				<p>320 ml aerosol can</p>	

Multipurpose Wipes 943

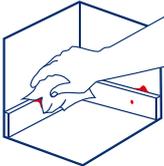


- Antibacterial
- Dermatologically tested, safe for skin
- For hands, tools, clothes and surfaces
- Removes construction chemistry
- Removes oils and lubricants

Removing uncured polyurethane foam, silicone, paint, adhesive, oil, grease and other substances from hands, tools and surfaces.

Refreshing and cleaning old painted surfaces and sealed joints.

Multipurpose industrial cleaning wipes for cleaning hands, tools, clothes and surfaces

 Easy to clean	 Fast	 Low odour	 Interior & Exterior use	Colour 	
				100 wipes canister 	

Glass Cleaner 945



- Fast-drying
- Static-free finish
- High-quality
- For all glass types
- Ready-to-use

Cleaning double glazed windows, mirrors, doors, chrome and stainless steel.

Fast acting sprayable cleaner for all types of glass surfaces

 Fast	 Smear free	 Sprayable	 Interior & Exterior use	Colour 	
				1 l bottle 	

PVC, PVCu Cleaner 946



- Fast acting
- Smear free
- Foil safe
- Clear and shiny finish
- Excellent at removing ingrained dirt

Cleaning unplasticised PVC profiles and profiles covered by foils, including window frames and garden furniture.

Fast acting solvent based foil safe high performance cleaner

				Colour	
Low odour	Foil safe	Easy to clean	Interior & Exterior use	1 l bottle	

Pear Drop Cleaner 947



- Fast acting and drying
- Smear free
- Pear drop odour
- Excellent at removing ingrained dirt
- Ready to use

For cleaning most types of white and veneered PVCu window and door frames, sills, boards and panels, trim, soffits and most plastics.

High performance solvent for cleaning PVCu materials with pear drop odour

				Colour	
Pear drop odour	Easy to clean	Long lasting	Interior & Exterior use	1 l bottle	



Sustainable Construction



Environmentally conscious building processes

Penosil's **Sustainable Construction category** offers a full range of innovative and sustainable construction products for sealing, bonding and filling works. The products in this category are created for people who embrace sustainable practices and want to minimise the environmental impact of their construction processes.

Sustainable Construction category products have excellent product features, but on top of that, they are also unique. They are mainly made from sustainable (renewable, recycled) raw materials and only produced using green energy. Moreover, the packaging is also sustainable; our plastic packaging is made of post-consumer recycled plastics, and the metal cans have been produced with three times lower CO2 emissions than usual.

Using the products from our **Sustainable Construction category** contributes towards a more sustainable future and minimises your ecological footprint.

PU foams

ECO Filling Foam 210	69
<ul style="list-style-type: none">■ Various filling and sealing works■ Biobased components: 50%	

Acrylic adhesives

ECO Mounting Adhesive 677	69
<ul style="list-style-type: none">■ Interior decoration and finishing works■ Biobased components: 71%	

Acrylic sealants

ECO Elastic Acrylic 622	70
<ul style="list-style-type: none">■ Filling crack and joints with moderate movement capability■ Biobased components: 81%	

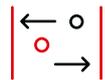
ECO Filling Foam 210



- Good filling properties
- Non-shrinking
- Low curing pressure
- Strong and solid structure
- Biobased or materials produced with lower ecological footprint: 50% of the components
- Recycled plastic in packaging: >80%
- Bluemint steel foam can: 67% less CO2 emissions

Filling holes and gaps.
Insulating penetrations.
Sealing window and door joints.
Enhancing thermal and sound insulation.
Reducing the impact of thermal bridges.

Multipurpose foam for filling and sealing works



Low curing pressure



$\lambda = 0.033 \text{ W/(m-K)}$

Thermal insulation



62 dB

Sound insulation

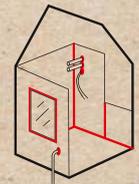


Interior & Exterior use

Colour



600 ml aerosol can



ECO Mounting Adhesive 677



- Solvent free
- Strong initial tack
- UV and moisture proof
- Can be painted
- Biobased or materials produced with lower ecological footprint: 71% of the components
- Recycled plastic in packaging: >70%

Installing wood and plasterboard panels.
Strengthening screw attachments and reducing the quantity of screws needed.
Installing door and floor mouldings and various decorative details.
For quick repair jobs.

Multipurpose adhesive for interior gluing works



Cleanable with water



Fast



Low odour

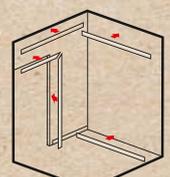


Interior use

Colour



290 ml cartridge



ECO Elastic Acrylic 622



Elastic paintable siliconized acrylic



- Good movement capability
- Bright white, extra-smooth surface
- Low VOC, safe to use
- Can be painted
- Biobased or materials produced with lower ecological footprint: 81% of the components
- Recycled plastic in packaging: >70%

Filling crack and joints with moderate movement capability ($\pm 12.5\%$).

Excellent for works where regular acrylics may fail.

Filling connecting joints between window and door frames, walls and ceilings.



CE F-INT-EXT-CC:12,5E



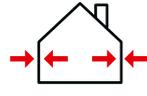
Elastic



Low odour



Can be painted

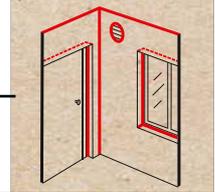


Interior & Exterior use

Colour



300 ml cartridge



Elastic acrylic sealant based on recycled and bio-based materials for filling moveable gaps and joints before painting and other finishing works.

Limitations:

Not suitable for joints with movement capability of more than 12,5%.

Do not use at temperatures below +5°C.

Not suitable for surfaces in constant contact with water.

Painting over before the product is fully cured may cause the paint to crack.

Technical data

Properties	Value
Basis	Acrylic
Density (DIN 53 479-B)	1,35 g/ml
Tack free time	8...10 min
Resistance to flow (ISO 7390)	0 mm
Intensity of microbiological growth (ISO 846)	2
Application temperature	+5...+40°C
Service temperature	-30...+75°C
Shore A hardness (ISO 868)	8...12
Properties of cured sealant	
E-Modulus 100% (ISO 37)	0,1 N/mm ²
Tensile strength (ISO 37)	0,27 N/mm ²
Elongation at break (ISO 37)	>300 %

The values specified were obtained at +23°C and 50% relative humidity, unless otherwise specified. These values may vary depending on environmental factors such as temperature, moisture and type of substrates.



Suitable for:	ECO Filling Foam 210	ECO Elastic Acrylic 622	ECO Mounting Adhesive 677
Plasterboard	●	●	●
Concrete	●	●	●
Stone	●	●	●
Ceramics		●	●
Wood	●	●	●
Masonry	●	●	●
Glass		●	
Treated metals	●	●	
PVC	●	●	
EPS	●		●
Paper			●
Cardboard			●

For the latest information, please visit Penosil website: [Penosil.com/uk](https://www.penosil.com/uk)

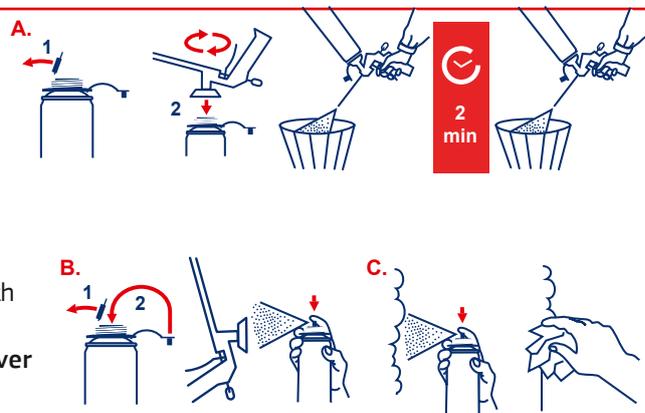
PU FOAMS: Tips and tricks

Best results:

- Make sure the working area is clean from dust, loose particles and oil stains.
- Most PU foams need humidity to expand and cure. Spray some water mist on the surfaces to help the foam expand and cure faster.
- **Careful!** You want to dampen the surface, do not wet it or the foam will not stick to the surface.
- Wipe the surface with cloth if it's too wet.
- You can also mist the foam afterwards to maximise expansion and speed up the curing process.
- In the case of larger joints, apply the foam in several layers and moisten slightly between each layer.
- Check the foam expand percentage on the foam can's label. Do not overfill the joints.
- Excess foam can be cut after it has fully cured.
- Cured foam needs to be covered with an opaque material to protect against UV rays.
- Do not cut or cover the foam before it has fully cured.

Cleaning:

- Foam is quite sticky. Protect the adjacent surfaces with tape or paper.
- Lay down cardboard or paper to protect the floor.
- Have a box or piece of cardboard ready to set down the used foam can on (it can drip).
- Uncured foam on tools and surfaces can be cleaned with **Penosil Foam Cleaner 929** or acetone.
- Uncured foam on the hands and clothes can be cleaned with **Penosil Multipurpose Wipes 943**.
- Cured foam can first be softened with **Penosil Foam Remover 995** and then scraped with a tool.
- Clean the foam gun straight away after finishing. If the foam cures inside the gun, the gun will be ruined.
- Screw the **Penosil Foam Cleaner 929** onto the gun and spray until the liquid comes out clean.
- Cured foam clogs the applicator tip, clean the applicator tip after every use.
- Always use protective glasses and gloves when working with PU foam.

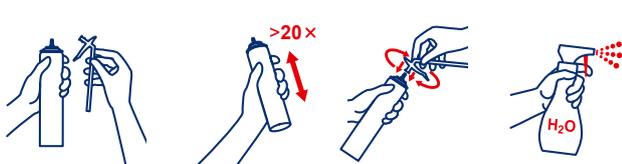


How to use:

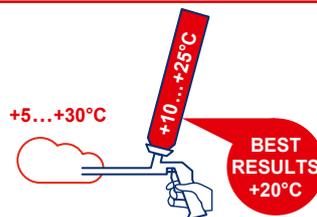
- Shake the can at least 20 times.



- Hold the foam can in an upright position with the valve up.
- **Gun:** Screw the gun onto the can.
- Hold the foam can adapter in place with your fingers while screwing the gun onto the can.



- **Straw:** Screw the straw applicator tightly onto the can valve.
- Hold the can upside down when extruding the foam.
- Foam output can be adjusted with the gun trigger and adjustment screw.
- Extrude some of the initial foam (1-2 sec) to a binbag to get rid of air bubbles.

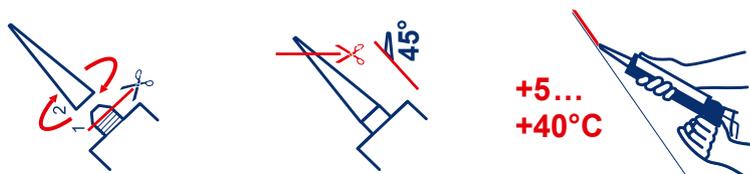


SEALANTS: Tips and tricks

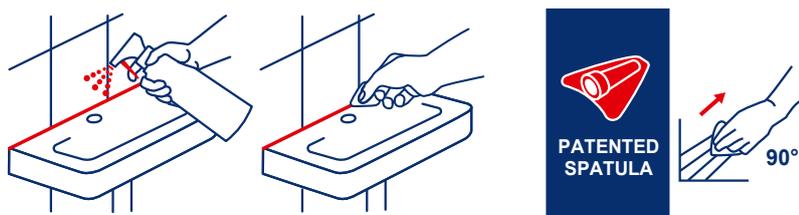
Best results:

- Make sure surfaces are clean, dry and free from any dust, loose particles and oil stains.
- Use a vacuum cleaner to clean the deeper joints.
- Cover the adjacent surfaces with masking tape to ensure crisp and clean joint edges.
- During the curing process, make sure that sealed surfaces stay clean and are not under mechanical stress.
- For best finishing, use an appropriate smoothing tool.

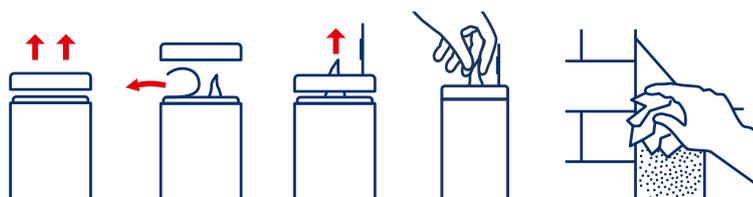
How to use:



- Cut the tip of the cartridge.
- Screw on the nozzle and cut an opening at a 45° angle which is slightly larger than the joint to be sealed.
- Place the cartridge into a sealant gun.
- Apply the sealant by keeping an even pressure at the gun trigger and smoothly dragging the nozzle along the joint.



- Remove the excess sealant and smooth the surface with a spatula.
- Remove the tape immediately after application and clean the adjacent surfaces, tools and hands with water or Penosil Multipurpose Wipes 943.

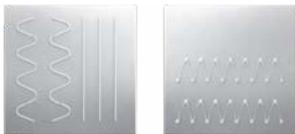


ADHESIVE SEALANTS: Tips and tricks

Best results:

- Make sure surfaces are clean, dry and free from any dust, loose particles, water, grease and oil stains.
- Non-porous surfaces should be cleaned with solvent and a clean, non-fluffy cotton cloth. Excess solvent should be removed with a clean cloth.
- **Solvent and acrylic adhesives:** make sure that solvent and water can evaporate and exit the joint during the curing process.
- **Hybrid adhesives:** make sure that air humidity can access the adhesive joint during the curing process.
- Ensure sufficient ventilation in the working area.
- **Non-porous surfaces:** when bonding together two non-porous surfaces, it is important to ensure sufficient spacing between the surfaces, e.g., by using a match or a toothpick. Air humidity helps the curing process.
- The adhesive pattern should be thin, so that when the surfaces are pressed together, the width of the adhesive pattern does not exceed 3 to 4 mm.

Which glue patterns to use:



- **In exterior conditions:** the adhesive should be applied either in a vertical or dotted pattern to allow the occasional water to flow out of the adhesive joint.
- **Hybrid adhesives:** a dotted or zigzag pattern should be used when applying hybrid adhesives.



These patterns reduce adhesive consumption and avoid it being squeezed out of the joint.

- When installing skirting board in the corners use a straight-line pattern.



- **Acrylic adhesives:** same as for hybrid adhesives, a dotted or zigzag pattern should be used.



How to use:

- Cut the tip of the cartridge.
- Screw on the nozzle and cut an opening.
- Place the cartridge into a sealant gun.
- Apply the adhesive by keeping an even pressure on the gun trigger and smoothly dragging the nozzle along the surface.
- Immediately press the surfaces together and apply pressure or support until the product is fully cured.
- Clean the adjacent surfaces, tools and hands either with water, solvent or **Penosil Multipurpose Wipes 943**.

Penosil is the flagship brand of Wolf Group



GLOBAL EXPERT

Sealing. Bonding. Filling

Wolf Group is a leading European manufacturer and distributor of construction chemistry products and systems.

GLOBAL PRESENCE

70+ export markets | 5 factories IN EUROPE | 1 headquarters IN ESTONIA | 15 sales organisations IN THE EU, UKRAINE, UK & USA
2 R&D Centres IN ESTONIA & SPAIN | ~400 employees | 16 nationalities | 7 green goals

OUR MISSION

Wolf Group is committed to improving people's quality of life by providing safe, energy-efficient and environmentally friendly construction solutions.

*We save
energy* /

PENOSIL

We save energy /



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