

PENOSIL

We save energy /

Product Catalogue

PU Foams
Sealants
Adhesives
Coatings
Tapes
Cleaners



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



$\lambda = 0.030 \text{ W/(m·K)}$
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 R _{st,w} (EN ISO 10140)	62 dB
Water vapour permeability (EN 12086)	<0.06 mg/(m·h·Pa)

EasySpray Foam 111



Sprayable gun foam for thermal and sound insulation



- 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

Thermal- and sound-insulating lintels, doors, ceilings, pipes, attics, balconies, garages, cellars, containers, vehicles, vessels and other construction parts with the risk of thermal bridges.

Insulating hard-to-reach surfaces and repairing the existing insulation layer.

Reducing the impact of thermal bridges.

Preventing condensation on cold surfaces.



CE EN 14315-1



Prevents thermal bridges



Prevents condensation



Elastic



Interior & Exterior use

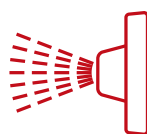
Colour



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 R _{st,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.

SpeedFix Construction 878



Foam adhesive with EasyGun applicator for fixing and sealing rigid insulation 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.



$\lambda = 0.034 \text{ W/(m·K)}$

Thermal insulation



Prevents thermal bridges



62 dB

Sound insulation

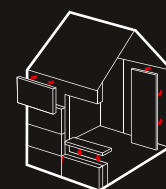


Interior & Exterior use

Colour



750 ml aerosol can



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 R _{st,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.

Polystyrol FixFoam 877



Foam adhesive for fixing exterior and interior insulation boards

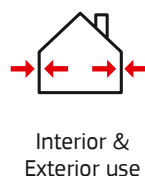
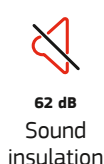
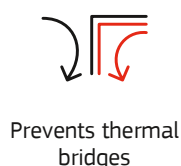
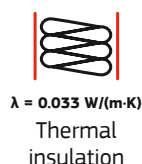


- Low curing pressure and post expansion
- All-season (-5°C to +30°C)
- Thermal and sound insulation
- Strong structure
- Easy and quick to use

Fixing insulation boards on facades and foundations.

Fixing interior wall boards.

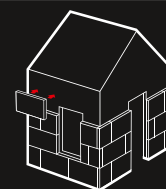
Fixing windowsills.



Colour



750 ml aerosol can



StoneFix 827

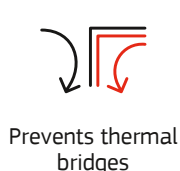


Foam adhesive for fastening construction blocks and stones in non-load-bearing interior walls



- All-season (-5°C to +30°C)
- Strong bond in just 30 min
- Non-load-bearing interior walls
- Dust free
- Fast and easy to use
- One can equals to 25 kg of mortar

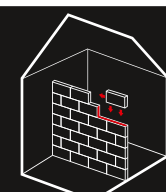
Adhering construction blocks and bricks to build non-load-bearing interior walls.



Colour



750 ml aerosol can



EpoxyFix Wood 530



Two-component fast-curing epoxy putty for quick repair and reconstruction works on wooden surfaces



Fast



Can be sanded



Can be painted

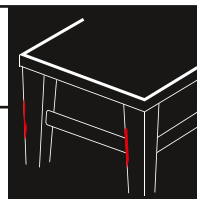


Interior & Exterior use

Colour



30 ml tube



- Very high binding strength
- Quick drying
- Non-sagging
- Water and chemical resistant
- Isocyanate and solvent free

Restoring and repairing picture frames, furniture, and door- and window frames.

Repairing old keyholes, sprigs, scratches, cracks, pest damage, nail and screw holes, table and chair legs.

Modelling knobs, latches, handles, ornaments, carvings, etc.



EpoxyFix Plastic 540



Two-component fast-curing epoxy putty for quick repair and reconstruction works on plastic surfaces



Fast



Can be painted



Low odour

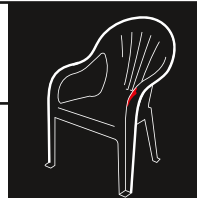


Interior & Exterior use

Colour



30 ml tube



- Very high binding strength
- Water and chemical resistant
- Extreme temperature resistant
- Isocyanate and solvent free
- Quick drying

Repairing PVC furniture, plastic car parts, plastic trays, cutters, canoes, boats, etc.

Sealing PVC and ABS plastic tubes.

Restoring worn edges and damaged parts on boats, canoes, kayaks, surfing boards, oars and paddles.

Modelling toys, knobs, latches, etc.



StyroFix 615



Acrylic adhesive for installing polystyrene decorative elements and boards



- UV and moisture resistant
- Can be painted
- Excellent adhesion on many materials
- Solvent-free
- Low odour

Installing polystyrene, polyurethane foam, wooden and plaster decorative elements and boards.

Gluing door and floor finishing fillets and other decorative details on various surfaces.

Installing carpentry elements.



Low odour



Can be painted



Cleanable with water

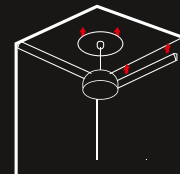


Interior use

Colour



290 ml cartridge
400 ml / 600 ml
foil package



EpoxyFix Metal 520



Two-component fast-curing epoxy putty for quick repair works on metal surfaces



- Reinforced with anticorrosive steel
- Very high binding strength
- Water and chemical resistant
- Quick drying
- Extreme temperature resistant

Restoring and repairing various metal parts.

Filling cracks and voids on metal objects.

Sealing pipe joint leaks.

Restoring uncovered nail heads, small machine parts, corroded metal, etc.

Modelling special-shape tools, handles, prototype parts, etc.



Fast



Withstands load



Can be painted

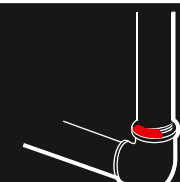


Interior & Exterior use

Colour



30 ml tube



Acrylic Sealant 636



Paintable acrylic sealant for filling joints with low movement



- Extra-fine and non-sagging texture
- Can be painted
- Long-lasting UV and mould resistant plastic connection
- Practically odourless
- Low VOC, safe to use
- Easy to use

Filling cracks and joints with low movement such as inner corners of walls and ceilings.

Sealing porous surfaces.

Preparing surfaces before painting and other finishing works.



CE F-EXT-INT: 12,5P



Low odour



Can be painted



Cleanable with water



Interior & Exterior use

Colour



280 ml cartridge
600 ml foil package



Neutral Sanitary Silicone 350 & 350c



Multipurpose neutral silicone for sanitary and ventilation works



Waterproof



UV proof



Mould resistant

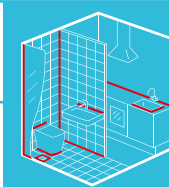


Interior & Exterior use

Colour



300 ml cartridge
600 ml foil package



- Non-corrosive to metals
- Mould, UV and ageing resistant
- Household chemistry resistant
- Non-sagging
- Great workability

All finishing, sanitation and ventilation sealing works.

Exterior and interior filling, sealing and glazing works.

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



CE 350: F-INT-EXT:12,5E; G-CC; S-S1
350c: F-INT-EXT:12,5E; G-CC; S-XS1

Wet Room Silicone 323 & 323c



Acetoxy sanitary silicone for sealing works in wet and humid areas



Mould resistant



Waterproof



Elastic

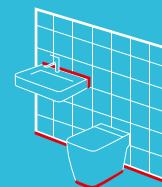


Interior use

Colour



280 ml cartridge



- Quickly touch dry
- Mould, UV and ageing resistant
- Permanently elastic
- Household chemistry resistant
- Non-sagging

Sealing joints in wet and humid areas.

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



CE S - S

Foam Cleaner

929



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

Cleaning the inside and the outside of the foam gun after finishing work.

Cleaning clothes and tools of uncured construction foam.

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

Cleaner for removing uncured PU foam from tools and surfaces

Easy to clean	Sprayable	Fast	Interior & Exterior use	Colour	
				500 ml aerosol can	

Solvent-based sprayable PU foam cleaner for removing uncured construction foam from tools, clothes and surfaces.

Efficiently cleans fresh PU foam from inside and outside foam gun, applicator tip, surfaces like window and door frames, clothes, etc.

Application:

Air temperature during use: -10°C to +30°C.

Shake the can vigorously.

Cleaning the foam gun:

Hold the cleaner can in an upright position with the valve up. Screw the cleaner can onto the gun valve.



Spray the product until there is no more foam residue coming out of the gun.

Wait approx. 2 min and spray again to finish cleaning the gun.

Cleaning clothes, surfaces and exterior of the foam gun:

Use the spray nozzle to clean surfaces from uncured foam.

Spray the cleaner on the surface and wipe the foam residue off with a soft tissue or with PENOSIL Cleaning Wipes 941.