

Order-No.

682

Sopro PUD 682

Polyurethane sealant



Highly elastic, rapid-set, solvent-free, one-component polyurethane sealant for filling horizontal and vertical perimeter and movement joints.



- Highly elastic
- Ready-to-use
- Sag-resistant
- High weather resistance
- Also suitable for wider joints
- Bubble-free curing
- Tack-free surface
- Straightforward application
- Overcoatable
- UV-resistant
- For walls and floors, indoors and outdoors
- Colour: grey
- EMICODE system of GEV (German Association for Control of Emissions in Products for Flooring Installation): EC1 R ("very-low-emission") rating

Use

For filling horizontal and vertical perimeter and movement joints. Suitable for concrete wall and floor surfaces as well as concrete and natural stone pavements. For heavy-duty areas, e.g. car parks, supermarkets, warehouses etc. For producing flexible joints at junctions between similar and different types of material (incl. ceramics, glass, wood, clinker, aerated concrete, clay bricks, gypsum and various plastics (for further details, please contact our applications support team)). For segmental pavements in road, pathway and landscaped areas. Also suitable for producing elastic joints between different types of material, e.g. at junctions between metal components and concrete or natural stone units, and for bathroom taps/valves and skirtings.

Suitable substrates

Concrete and natural stone units, concrete, aerated concrete, metal, steel, aluminium, glass, fully vitrified stoneware.

Skinning

Approx. 1 hour

Curing

Approx. 3.3 mm/24 hours; approx. 4.0 mm/48 hours

Temperature resistance

-40 °C to +70 °C

Movement accommodation/expansion

Max. 20 % of joint width

Shore A hardness (DIN 53 505)

Approx. 40

Density

1.4 g/cm³

Resilience

Approx. 90 %

Joint width/joint depth

Roads/segmental pavements: joint width: 10–20 mm/joint depth: min. 10 mm; joint width > 20 mm/joint depth at least half of joint width

Colour

Grey

Application temperature

Between +5 °C and +35 °C

Coverage

840 g (600 ml) for 6 m joint (10×10 mm) or 3 m joint (20×10 mm)

Shelf life

Max. 12 months, subject to storage in cool, dry conditions in original unopened containers

Packaging

Box (20×600 ml (840 g) sausages)

Properties

Highly elastic, rapid-set, solvent-free, one-component polyurethane sealant for filling horizontal and vertical perimeter and movement joints. Product cures through action of humidity to produce elastic seal.

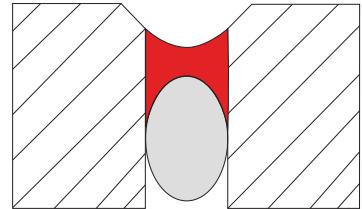
Substrate preparation

Joint faces shall be dry, clean, solid, strong and free from oil, grease and other substances that may impair adhesion. Cementitious grouts shall be fully cured and dry prior to application of Sopro PUD 682. Pretreatment of joint faces with Sopro PPU 683 PU primer promotes adhesion of Sopro PUD 682 sealant to substrate. To achieve a neat finish at joint edges, these shall be masked over adequate width using adhesive tape, which shall be removed immediately after sealant application.

Application

Prepare substrate as specified above and incorporate tight-fitting, closed-cell, circular-section PE back-up strip (or other suitable preformed jointing section/tape) prior to application of Sopro PUD 682. Start by inserting sausage into gun and cut open sausage at tip. Apply sealant, taking care to prevent bubbling and air entrapment and ensuring full contact with joint faces. Then tool joint surface with suitable smoother or spatula using suitable smoothing agent. When tooling, press down sealant onto bonding surfaces and back-up strip.

Note: While freshly applied, protect sealant against solvents, e.g. alcohol, etc. Trial sealant application is generally recommended.



Sealant is protected by chamfering of joint.



1 Mask joint with adhesive tape and pretreat with Sopro PPU 683 PU primer.



2 When Sopro PPU 683 has dried, insert circular-section PE back-up strip.



3 Apply Sopro PUD 682 with sausage gun, taking care to prevent bubbling and air entrapment.



4 While material is still fresh, spray on Sopro GM 026 smoothing agent and tool with suitable smoother.

Tools/tool cleaning

600 ml sausage gun, smoother, smoothing agent, adhesive tape;
wash tools with universal thinner immediately after use; once set, sealant can only be mechanically removed.

Licence

EMICODE system of GEV (German Association for Control of Emissions in Products for Flooring Installation): EC1 R ("very-low-emission") rating

Safety precautions

Labelling under GefStoffV (German Hazardous Substances Ordinance)/EC Directives

Hazard symbol: Xn harmful

Contains 4,4'-methylene diphenyl diisocyanate.

Hazard warnings (R phrases): R42 May cause sensitization by inhalation.

Safety recommendations (S phrases) **S1/2** Keep locked up and out of the reach of children. **S23** Do not breathe vapour/aerosol. **S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. **S36/37** Wear suitable protective clothing and gloves. **S45** In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).

Contains isocyanates. Manufacturer's instructions shall be observed.

For trade applicators only!

CE marking

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<p>14 CPR-DE3/0682.2.deu EN 15 651-1:2012, EN 15 651-4:2012 Sopro PUD 682</p> <p>Polyurethan-sealant for non structural use internal and external on floors and walls Typ F EXT-INT CC, PW EXT-INT CC Conditioning: Method B Substrate: Mortar M2 Pretreatment: whitout Primer</p>	
Reaction to fire	Class E
Water tightness and air tightness	
- Tensile properties at maintained extension	Pass
- Resistance to flow	≤ 3 mm
- Loss of volume	≤ 10%
- Tear resistance	Pass
- Tensile properties at maintained extensions after immersion in water at 23 °C	Pass
- Adhesion/cohesion properties at maintained extension after water immersion	Pass
- Adhesion/cohesion properties at maintained extension after saltwater immersion	Pass
- Tensile properties at maintained extensions for cold climate areas at -30 °C	Pass
Durability	Pass
Release of dangerous substances	See SDS

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