

weber.tec 977

Industrial joint PU

2-comp. joint sealant for closing horizontal joints in road and industrial constructions

Fields of application

As elastic elastomeric grouting of horizontal joints in road, bridge and hall constructions with joint edges in concrete, steel and bitumen.

Also for subsequent grouting (cavity filling) in renovation works.

For use indoors and outdoors.

Description

weber.tec 977 is a 2-component joint sealant based on polyurethane resin.

Composition

Modified polyurethane

Main features

- solvent-free
- strong adhesion
- elastomeric
- resistant to weather, water, seawater, flue gases, numerous alkalis, acids and other chemicals
- maximum joint width of 25 mm
- maximum service elongation of +/- 10%
- for use indoors and outdoors

Technical values

Curing:	at least 24 hours
Application temperature (air and substrate):	+10°C -+30°C
Pot life:	approx. 30 minutes
Density:	approx. 1.3 kg/dm ³
Consistency:	pour-grade
Shore hardness A:	70
Dry residue:	100%
Mixing ratio:	comp. A (resin base) : comp. B (hardener) = 5 kg : 1 kg
Open to full load:	7 days

Quality control

weber.tec 977 is subject to a regular quality control.

General notes

- In case of concrete substrates, respect a waiting time of 28 days prior to application of weber.tec 977.
 - All properties are based on a temperature of +23°C without draughts and a relative humidity of 50%.
 - Depending on the joint width (e.g 15 mm), the material can be used to achieve a maximum gradient of 0.5%.
 - Avoid three-side adhesion by inserting a closed-cell polyethylene round profile foam into the joints.
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Special notes

- Do not add any foreign substances during mixing and application.
 - Colour changes can occur when exposed to UV light.
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Substrate preparation

- The substrate must be solid, dry, rough, clean, and free of dust, oil and grease.
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- Smooth, polished, cement-powdered, surfaces covered with bitumen or tar must be treated by sandblasting or other suitable method to produce a clean and rough surface.
- The joint space must be closed at its bottom, so that no material can flow out. Furthermore, the bonding of the sealant on the joint bottom must be avoided. For this purpose, fill the joint space with the closed moltoprene filling backrod weber.sys Fugenhinterfüllmaterial; its diameter must be 1/3 wider than the joint width.
- Asphalt surfaces and zinc sheets: use the 1-comp. primer weber.tec 974.
- The primer must flash off for about 10 minutes before applying weber.tec 977.
- Metal substrates which do not require corrosion protection, should be degreased with the thinner weber.sys 992 and additionally roughened.
- Concrete substrates: use an epoxy resin primer, for ex. weber.prim 807 or weber.tec 794.

Working instructions

- weber.tec 977 is supplied in 2 pre-mix twin packagings (component A = resin base and component B = hardener) with the specific mixing ratio for use. Empty the component B totally into the component A.
- Mix both components with a slow-speed electric drill and the stirrer weber.sys Rührpaddel no. 3 or no. 8 for 3 minutes, at least until a homogeneous mixture of uniform colour is achieved.
- After mixing, decant into an empty container and mix again for 1 minute.
- Pour the material by gravity into the existing joint space over the moltoprene backrod.
- The filling depth should be approx. 0.8 - 1 time the joint width.

Practical information

Colours:

grey

Tools:

Electric drill + stirrer weber.sys Rührpaddel no. 3 or no. 8

Drying and hardening time:

approx. 24 - 30 hours

Storage:

The product can be stored at least 12 months in its original unopened packaging, if kept dry.

Consumption / yield

per dm ³ joint space:	approx. 1.3 kg
for joints 20 mm x 15 mm:	approx. 0.39 kg/m

Packagings

Type	Sales unit	Number / euro-pallet
Metal bucket (kit with comp. A + comp. B)	6 kg	60 buckets

The information in this technical data sheet is based on our current knowledge and experience at the time of printing. However, they do not guarantee in the legal sense.