

weber.tec 970

Joint sealant for petrol stations

2-comp. pour-grade and elastomeric joint sealant for closing floor joints in garages, petrol stations and parking areas

Fields of application

For the elastomeric sealing of floor joints of pedestrian and traffic areas of in-situ concrete, polymer concrete, prefabricated concrete parts and screeds.

For use in petrol service stations, petrol pumping facilities, garages, storage areas for chemicals as well as for parking decks for cars, trucks and aircraft.

Furthermore, it also allows the watertight connection with steel gutters.

For use indoors and outdoors.

Description

weber.tec 970 is a 2-component joint sealant based on polyurethane according to the European Technical Approvals for waterproofing of joints in facilities for storage / filling and handling of chemicals. Corresponds to the European Guideline 2004/42/EG.

Main features

- self-levelling
- allowed maximal elongation of 25%
- solvent-free
- · resistant to hydrocarbons
- highly elastic
- resistant to UV radiation, ageing, diluted acids, alkalis and aggressive industrial gases
- · for use indoors and outdoors



Technical values

Curing:	approx. 24 hours; up to 48 hours at +23°C and 50% relative humidity rate	
Application temperature (air and substrate):	+5°C - +35°C	
Application temperature (material):	+10°C - +40°C	
Pot life:	approx. 1 - 2 hours	
Density:	approx. 1.5 kg/dm³	
Consistency:	pour-grade, self-levelling	
Mixing ratio:	comp. A (resin base) : comp. B (hardener) = 10 kg : 2 kg	
Maximum joint width:	20 mm for traffic areas; 40 mm for pedestrian areas	
Recovery of elasticity:	> 90%	

Quality control

weber.tec 970 is subject to a regular quality control.

General notes

- Limits of use: do not use weber.tec 970 in following cases: spillage of mineral acids and organic solvents / permanent standing water / strong spillage with aggressive acids (for ex. electroplating shops, storage battery stations, galvanoplastic working stations, accumulator stations etc).
- Following substrates like glass, glazed ceramics, enamel, plastics and screeds are not foreseen within the scope of the European approval.
- All characteristics mentioned in this data sheet are given for a temperature of +23°C, without draught and a relative humidity of rate 50%.
- The substrate temperature must be at least 3°C above the prevailing dew point. temperature.
- According to the European technical guidelines the material temperature must be between > +10°C and < +40°C during application.
- During mixing a material temperature of 15°C +25°C is recommended.
- In case of strong sun radiation use the trowel-grade joint sealant weber.tec 971 when the slope is ≥ 1.5%.
- Avoid three-side adhesion by inserting a closed-cell polyethylene round profile foam into the joints.



Special notes

- Do not add any foreign substances during mixing and application.
- Take care that the installation depth of the joint sealant must be greater than the penetration depth of the liquid into the concrete.
- Comply with the national water management guidelines relating to refilling stations, petrol stations etc. and/or follow the guidelines the guidelines of the European Technical Approvals. If necessary, request technical advice.

Substrate preparation

- The joint sides must be solid, dry, free of oil, dust, and all adhesion-impairing particles and substances.
- All concrete parts must have a surrounding chamfer of 3 5 mm.
- <u>Absorbent substrates</u> (in situ concrete, prefabricated concrete elements, fiber concrete): apply the 2-comp. primer weber.tec 973. Wait 60 minutes before applying weber.tec 970.
- <u>Non-absorbent substrates</u> (polymer concrete based on unsaturated resin, uncoated and unalloyed steel surfaces): apply the 1-comp. primer weber.tec 974. Wait 10 minutes before applying weber.tec 970.
- These delays are given for a temperature of +23°C and 50% relative humidity rate.
- As a rule, respect a waiting time of max. 4 hours prior to application of weber.tec 970.
- 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.
- The concrete substrates must be at least 7 days old and have reached 70% of their final strength.
- The joint width must not exceed 20 mm in case of joints of floor with vehicular traffic.
- The substrate preparation must be adapted to the specific job site conditions.



Working instructions

Mixing

- weber.tec 970 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 using an electric drill and the stirrer weber.sys Rührpaddel no. 8 for approx. at least 3 minutes, until a homogeneous mixture of uniform colour is achieved.
- Take care that the product is also thoroughly mixed in the corners and at the bottom of the mixing container.

Application

- weber.tec 970 is applied in one go: either by gravity or with a pneumatic gun on large surfaces. Use a manual gun for small areas or worn-out joints.
- The filling of the pneumatic gun is done via extrusion from the 2.5 liter packaging thanks to the filler plate weber.sys Abfüllplatte, which is fixed on the top of the bucket.
- weber.tec 970 is installed into horizontal joints with a maximum slope of 2%.
- Clean mixing equipment and tools with the thinner weber.sys 992 (fresh product). Hardened material can only be removed mechanically.

Practical information

Colours:

grey

Tools:

Electric drill + stirrer weber.sys Rührpaddel no. 8, pneumatic gun + filler plate weber.sys Abfüllplatte, manual gun

Drying time: approx. 1 - 2 days

Storage:

The product can be stored at least 12 months in its original unopened packaging, if kept at temperatures between +15°C and +25°C.



Consumption / yield

per dm³ of filling space: for joints of 20 x 20 mm: approx. 1.0 liter approx. 400 ml/meter

Packagings

Туре	Sales unit	Number / euro-pallet
Metal bucket (kit with comp. A + comp. B)	2.5 liters	4 buckets in cardboard (180 buckets)
Metal bucket (kit with comp. A + comp. B)	10 liters	26 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.