

PC® LEAKINJECT UNI 6816 E

TECHNICAL DATA SHEET

Low viscous, one-component, MDI-based, polyurethane injection resin for water sealing cracks, big gaps, or water leaks with high flow or pressure. Reacts with water, forming a semi-rigid foam.



APPLICATIONS

- Water sealing of cracks and big gaps in walls, floors, concrete constructions, underground structures, ... that are not liable to settings and movements.
- Used as waterstop for leakages or active water leaks with high flow and/or high hydrostatic pressure.

PROPERTIES

- Reacts with water.
- Forms semi-rigid foam.
- Penetrates deep into fine cracks.
- Does not shrink after curing.
- Free expansion: 1700 % to 2200 %.
- Good chemical resistance.
- Excellent adhesion on mineral building materials (concrete, cement, brick), metal and certain plastics.
- The reaction speed can be adjusted by varying the amount of catalyst.

TECHNICAL DATA (Typical values)

| | RESIN | CATALYST |
|-------------------|-------------------------------|-----------------------------|
| Viscosity (20 °C) | 95 mPas | 45 mPas |
| Density (20 °C) | 1.10 - 1.20 g/cm ³ | +/- 0.923 g/cm ³ |
| Packaging | 25 kg | 2.3 kg |
| Colour | Dark brown | |
| Free expansion | 1700 % - 2200 % | |

REACTION TIMES AT 20 °C

| % CATALYST | START REACTION | END REACTION |
|------------|-------------------|--------------|
| 2 % | 44 sec | 3 min 30 sec |
| 6 % | 19 sec | 1 min 17 sec |
| 9 % | 13 sec | 54 sec |

The reaction time is controlled by adapting the amount of catalyst. <u>Method</u>: 65 gr resin + catalyst + 12 gr water

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STORAGE

Storage:

In a dry place between +10 °C and +30 °C.

Shelf life:

12 months after production date in the original, unopened and undamaged packaging. Once opened, the operating life of the product reduces very quickly.

PROCESSING

Add PC® Leakinject Uni 6816 E Cat and mix thoroughly. Inject the mixture with a single component pump (manual, electric, pneumatic) in the crack. Because of the low viscosity, the resin will penetrate deep into the cracks. PC® Leakinject Uni 6816 EVL polymerises into a semiflexible hydrophobic foam.

PRECAUTIONS AND SAFETY RECOMMENDATIONS

- Wear safety glasses, gloves and protective clothing. Avoid contact with skin and eyes.
- In the event of contact with eyes: rinse thoroughly with clear water and consult a doctor.
- In the event of skin contact: rinse abundantly with water.
- Mix residues and spilled resin from PC[®] Leakinject Uni 6816 E with sand and dispose of in accordance with local regulations.
- The resin can react with water or atmospheric humidity to form CO₂ gas. This can build up pressure in a closed package or container that has already been opened.
- Consult the SDS.

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This sheet replaces all previous ones. The guidelines are the result of study and experience, and are given in good faith. The organization has no control over the way in which the products are applied or not, and can therefore not be held responsible for the results obtained and any damage. Depending on the evolution of knowledge and techniques TRADECC reserves the right to change the composition and conditions of use of its products without notice.



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