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/cm³	+/- 0.923 g/cm³
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.
Method: 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 semi-flexible 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 CO_2 gas. This can build up pressure in a closed package or container that has already been opened.
- Consult the SDS.

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