



PC[®] LEAKINJECT UNI 6816 EVL

Semi-flexible Water Sealing Injection Resin

1. Description

Very low viscosity single component MDI-based water reactive polyurethane injection resin. **PC[®] Leakinject Uni 6816 EVL** reacts with water forming a semi-flexible hydrophobic seal.

2. Application

Water sealing of cracks and big gaps in walls, floors, concrete constructions, ... which are slightly liable to settings and movements. **PC[®] Leakinject Uni 6816 EVL** is also used for the injection of cracks that have already been sealed with a PU-foam, but were not watertight.

3. Properties

- Is a fast reacting rigid PU foam, used as a waterstop for the sealing of leakages and water penetration.
- Penetrates deep in fine cracks.
- Reacts with water and forms a carbondioxyde gas. This gas produces a swelling pressure and the resin expands to a foam sealing all water penetration.
- Free expansion: 1700 % - 2200 %.
- Excellent adhesion to mineral construction materials (such as concrete, cement, brick) metal and certain plastics, ...
- The reaction speed can be controlled by varying the amount of catalyst.
- The **PC[®] Leakinject UNI 6816 EVL** foam is chemically resistant against water, weak acids and alkali, mineral oils, fungi and bacteria, groundwater, seawater and petroleum products.

4. Characteristics

- Colour : Light brown
- Free expansion : 1700 % - 2200 %
- Density : Resin: 1,10 – 1,20 kg/l
Catalyst: ~ 0,923 kg/
- Viscosity :

	Resin	Catalyst
25°C	75 mPas	36 mPas

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- Reaction time : 65 g resin + catalyst + 20 g water

	% Catalyst	Start reaction	End reaction
10° C	2 %	53''	3'36''
	6 %	22''	1'22''
	9 %	19''	53''
15° C	2 %	37''	3'32''
	6 %	16''	1'13''
	9 %	12''	45''
20° C	2 %	28''	2'40''
	6 %	14''	54''
	9 %	11''	37''
25° C	2 %	28''	2'40''
	6 %	14''	52''
	9 %	10''	35''

- Shelf life: 12 months after production date in original, unopened and undamaged packaging, stored in a dry place with temperatures between 10°C and 30°C. Once the packaging is opened, the shelf life of the product diminishes quickly and the product should be consumed as soon as possible.

5. Processing

Add PC[®] Leakinject Uni 6816 EVL 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.

6. Packaging

PC[®] Leakinject Uni 6816 EVL : 25 kg
 PC[®] Leakinject Uni 6816 EVL Cat : 2,3 kg

7. Cleaning

Clean pump and equipment every time there is a stop of more than 15 minutes with PC[®] Ecoclean, or whenever necessary and at the end of the injection. Flush with an extra ¼ litre of PC[®] Ecoclean.



8. Precautions and security measures

- Avoid contact of the products with the skin and eyes.
- Wear safety glasses, gloves and an overall.
- In case of contact with the eyes: wash with lots of water and seek medical attention.
- In case of contact with the skin: wash with lots of water.
- Absorb spilled resin with sand and dispose according to the local regulations .
- Reacts with water. If contaminated by moisture, may form CO₂ gas pressure in containers.
- For more information: see Material Safety Data Sheet.