

PC[®] LEAKINJECT FLEX 6870

Flexible Leak Sealing Injection Resin

1. Description

Low viscosity one component MDI-based polyurethane injection resin, that swells in contact with water to a flexible foam.

2. Application

Water sealing of cracks and joints in walls, floors, concrete constructions, sewers, ...

3. Properties

- Penetrates deep in cracks and joints
- Reacts with water and forms flexible closed cells that allow the movement of the crack or joint;
- Free expansion: 800%;
- Chemically resistant against water, weak acids, alkali and micro-organisms;
- Excellent adhesion to mineral construction materials (such as concrete, cement, brick, mortar), metal and certain plastics, ...
- The reaction speed is controlled by varying the amount of catalyst. Use 6-9 % catalyst to achieve a good cellulation.

4. Technical Data

- Colour: yellow
- Free expansion: 800 %
- Density: resin: 1,08 kg/l
catalyst: 0,923 kg/l
- Viscosity (25°C):
* Resin: 105 mPas
* Catalyst: 36 mPas

Reaction time: 100 g resin + catalyst + 28 g water

	% Catalyst	Start reaction	End reaction
10° C	2 %	45''	2'25''
	6 %	22''	1'11''
	9 %	16''	59''
15° C	2 %	37''	2'27''
	6 %	19''	51''
	9 %	15''	44''
20° C	2 %	36''	2'15''
	6 %	18''	54''
	9 %	14''	30''



25° C	2 %	27"	2'
	6 %	17"	40"
	9 %	12"	29"

- 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

Mix thoroughly the **PC® Leakinject Flex 6870** with PC® Leakinject Flex 6870 Cat. Inject the mixture with a single component pump in the crack. Because of the low viscosity and the expansion during polymerisation the resin will penetrate deep into the crack. Once the mixture comes in contact with water, a flexible Polyurethane foam is formed.



6. Packaging

PC® Leakinject Flex 6870: 25 kg
 PC® Leakinject Flex 6870 Cat: 2,5 l (± 2,29 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 **PC® Leakinject Flex 6870** 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.
- The resin reacts with water and humidity in the air and forms CO₂ gas. This can build up pressure in the packaging that has already been opened.
- More information on the safety data sheet.