

**Two-component, MDI-based, elastic, polyurethane injection resin with very low viscosity. Developed for the water sealing of both wet and dry cracks.**



### APPLICATIONS

- Elastic water sealing of wet and dry cracks in walls, floors, concrete structures, underground structures, ...
- Injection of very fine cracks.
- Injection in injection hoses.

### PROPERTIES

- Does not need water to react. Without water the material becomes a flexible seal. With water, the material will slightly foam.
- Good adhesion to concrete.
- Curing process does not cause any shrinkage, volume stays the same.
- Does not dry out after curing.
- Non-corrosive for metals.
- The resin can be combined with other water reactive PU resins from the PC<sup>®</sup> Leakinject range (2-step injection).

### PROCESSING

Mix the PC<sup>®</sup> Leakinject 2K Flex 6811 LV A and the PC<sup>®</sup> Leakinject 2K Flex 6811 LV B in the correct ratio (1/1 volume or 1.2/1.32 weight). Inject this mixture through a one-component pump within the pumpable time or work with a two-component pump (volumetric ratio of 1:1)

### 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.

**TECHNICAL DATA (Typical values)**

	<b>A COMPONENT</b>	<b>B COMPONENT</b>	<b>MIXTURE</b>
<b>Viscosity (20 °C)</b>	144 mPas	62 mPas	118 mPas
<b>Density (20 °C)</b>	1.005 g/cm <sup>3</sup>	1.105 g/cm <sup>3</sup>	1.052 g/cm <sup>3</sup>
<b>Packaging small</b>	12 kg	13.2 kg	
<b>Packaging large</b>	22.73 kg	25 kg	
<b>Mixing ratio: 1:1 by volume</b>	12 kg	13.2 kg	
	22.73 kg	25 kg	

<b>Evaluation of the reactivity at 20 °C</b>	Time needed for a mixture of 1 kg to rise in temperature from 20 °C to 40 °C in a 1 L recipient	28 minutes
<b>Pumpable time</b>		60 minutes at 20 °C
<b>Loss of deformation ability after cyclic compression test:</b>	EN 12637-1	< 20%
<b>Shore A</b>	After complete cure	72
<b>Watertightness under pressure</b>	EN 14068	Waterproof at 2 x 10 <sup>5</sup> Pa.
<b>Compatibility with concrete</b>	EN 12637-1	Pass (compatible)
<b>Modulus of elasticity</b>	EN ISO 527, after 5 days at 25 °C	6.6 MPa
<b>Tensile strength</b>	EN ISO 527, after 5 days at 25 °C	> 3 N/mm <sup>2</sup>
<b>Elongation at break</b>	EN ISO 527, after 5 days at 25 °C	128 %
<b>Injectability into a dry sand column</b>	EN 1771, 0.1 mm - 0.3 mm	Easy to inject
<b>Injectability into a wet sand column</b>	EN 1771, 0.1 mm - 0.3 mm	Easy to inject
<b>Adhesion and elongation at 3 °C</b>	EN 12618-1	Adhesion to dry concrete: 1.30 N/mm <sup>2</sup> Adhesion to wet concrete: 0.63 N/mm <sup>2</sup> Adhesion to a sandblasted metal plate: 3.59 N/mm <sup>2</sup> Elongation at 3 °C: 117 %
<b>Glass transition temperature</b>	EN 12614	- 35.2 °C

**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 clean water and consult a doctor.
- In the event of skin contact: rinse abundantly with water.
- The B component of PC® Leakinject 2K Flex 6811 LV can react with water or atmospheric humidity to form CO<sub>2</sub>-gas. This can build up pressure in a closed packaging or container that has already been opened.
- Mix residues of PC® Leakinject 2K Flex 6811 LV with sand and dispose of in accordance with local regulations.
- Consult the SDS for more information.

**CE MARKING**

 <b>0749</b>	
<b>ECC N.V.</b> Terbekehofdreef 50-52 B-2610 Wilrijk  <b>09</b>  0749 - CPD BC2-565-1895-0004-001	
<b>EN 1504-5</b> <b>Concrete injection product</b> <b>U(D1) W(1) (1/2/3) (5/30)</b> <b>Ductile filling of cracks</b>	
Adhesion and elongation capacity at 3°C	Adhesion: On dry concrete slab: 1.30 N/mm <sup>2</sup> On wet concrete slab: 0.63 N/mm <sup>2</sup> On sandblasted metal plate: 3.59 N/mm <sup>2</sup> Elongation: > 10%
Elongation capacity at 3 °C	> 10 %
Watertightness	≥ 2 x 10 <sup>5</sup> Pa
Glass transition temperature	- 35.2 °C
Injectability into dry medium	High injectability for crack widths from 0.1 mm
Injectability into non dry medium	High injectability for cracks widths from 0.1 mm
Initial viscosity mixture (20 °C)	118 mPas
Expansion ratio and evolution	NPD
Workable time	150 min (12°C), 90 min (25 °C)
Durability-compatibility with concrete	Pass
Corrosion behaviour	Deemed to have no corrosive effect
Dangerous substances	Comply with 5.4