



PURINJECT 2C FLEX

Two component low viscosity polyurethane injection system for the elastic sealing of dynamic cracks in concrete structures.

<ul style="list-style-type: none"> ▪ Applications 	<p>Two component low viscosity polyurethane injection system consisting of an A component and a B component. This system is ideally suitable for the elastic sealing of cracks in concrete structures as well as areas suffering from water leakage problems.</p> <p>The use of PURINJECT 2C FLEX as such, is depending on the amount of water expected. In case the crack is dry or moist, the PURINJECT 2C FLEX can be used directly into the crack. In its standard version the 2C FLEX system has a long potlife. On demand the potlife can be accelerated.</p> <p>If a severe leakage of water has to be stopped the PURINJECT 2C FLEX can be used in combination with the PURINJECT 1C 115 ECO. This aquareactive system will first stop the water and/or react the water away, after which the injection of the PURINJECT 2C FLEX can be carried out as a second injection.</p> <p>The PURINJECT 2C FLEX is mainly used for wet or dry dynamic cracks and joints.</p> <p>The reaction with water yields a flexible and rubbery hydrophobic resin (not a foam).</p> <p>The end product, injected under pressure, neither shrinks nor swells. A good compression strength is obtained in very short time.</p>
<ul style="list-style-type: none"> ▪ Operational data 	<p>The PURINJECT 2C Flex is very hygroscopic and packed under dry atmosphere. Use opened containers as soon as possible or recap under dry nitrogen.</p> <p>Shake well the components and make sure the mixture is homogeneous. Mix the two components volumetrically (A:B, 1:1).</p> <p>The system can be injected using ordinary 2 component pumps (automatic). To clean the pump use PURCLEAN.</p>



The system as a **two** component system.

In case faster curing is desired the Purinject 2C FLEX is applied as a two component system, with short reaction times and requires a two component injection pump.

Standard resin using a one component pump:

Mix an equal volume of A and B component. This mixture can be injected directly into the crack using a 1 component pump. Make sure the total mixture is injected within the potlife.

Accelerated resin using a 2 component pump:

The PURINJECT 2C FLEX system is also available in an accelerated version. In this case the potlife is only a few minutes. To inject, use a 2 component injection pump in a 1:1 (A:B) ratio by volume. Introduce the A component in the polyol container of the pump and the B component in the isocyanate container. Start pumping directly into the crack.

▪ **Technical data**

PHYSICAL CHARACTERISTICS OF THE UNCURED POLYURETHANE COMPONENTS

	2K FLEX A COMPONENT	2K FLEX B COMPONENT
Colour	colourless	light brown
Density	0,95-1,05 kg /l	1,1 – 1,3 kg/l

Viscosity of the mixture: 110 mPa.s at 25° C

Potlife at 20 °C

Standard version: 45 – 60 minutes
Accelerated version: a few minutes

Storage stability in well sealed drums: 6 months

**PHYSICAL CHARACTERISTICS OF THE RESIN + CATALYST
Cured**

Shore A 40
Elongation 150 %



<ul style="list-style-type: none"> ▪ Packaging 	<p>Sets of 50 kgs A component 23 kgs B component 27 kgs</p> <p>Also available in 200 liter drums</p> <p>Can be delivered under private label.</p>
<ul style="list-style-type: none"> ▪ Conservation 	<p>To avoid problems, it is very important to understand that these materials are both temperature and moisture sensitive. Therefore, materials should be stored in an area with temperatures not exceeding 30°C or not lower than 10°C.</p> <p>All part used drums should be covered by nitrogen and re-sealed to prevent the ingress of moisture.</p>
<ul style="list-style-type: none"> ▪ Health precautions 	<p>Ordinary hygienic principles, such as washing the compounds from the hands before eating or smoking should be observed. Hands should be washed with a waterless cleaner followed by soap and water. Avoid breathing of vapours, prolonged contact with the skin, contact with open breaks in the skin, and ingestion. Use the PURINJECT 2C FLEX INJECTION SYSTEM with adequate ventilation. (Refer to the Purinject material Safety Data report).</p>

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