PURINJECT 2C ELASTIC LV ALT TDS

Two component, solvent free, low viscosity (LV), phthalate free, polyurethane injection system for the elastic sealing of cracks in concrete structures. Can be injected with a one-component pump. PURINJECT 2C ELASTIC LV ALT is a CE certified system and is subject to: EN 1504-5 - Principle 1 - Protection against ingress and waterproofing; method 1.4 - the filling of cracks.

CE
0749

ADCOS NV, Ambachtstraat 15, 2390 Malle, Belgium

0749-CPR-BC2-565-2779-0002-001
EN 1504-5
Concrete injection product
U (D1) W (3) (1/2/3) (5/30)

HOW DOES PURINJECT 2C ELASTIC LV ALT WORK?

PURINJECT 2C ELASTIC LV ALT is used to permanently seal dry or wet cracks or joints in concrete, stone and masonry. This system is used in construction and civil engineering both for new structures or repair purposes. PURINJECT 2C ELASTIC LV ALT is a two component, polyurethane, phthalate free system, consisting of a resin component and a special type of isocyanate (MDI based).

ADVANTAGES

This system is ideally suitable for the elastic sealing of cracks in concrete structures as well as areas suffering from water leakage problems. The use of PURINJECT 2C ELASTIC LV ALT is depending on the amount of water expected. In case the crack is dry or moist PURINJECT 2C ELASTIC LV ALT can be used directly into the crack. If an important leakage of water has to be stopped, the system could be used in combination with the PURINJECT 1C 115 ECO, which will first stop the water and/or react the water away, after which the injection of PURINJECT 2C ELASTIC LV ALT can be carried out.

APPLICATION PRESCRIPTIONS

Although PURINJECT 2C ELASTIC LV ALT is a two component system, it can be used as a one component system. PURINJECT 2C ELASTIC LV ALT as a one component system:

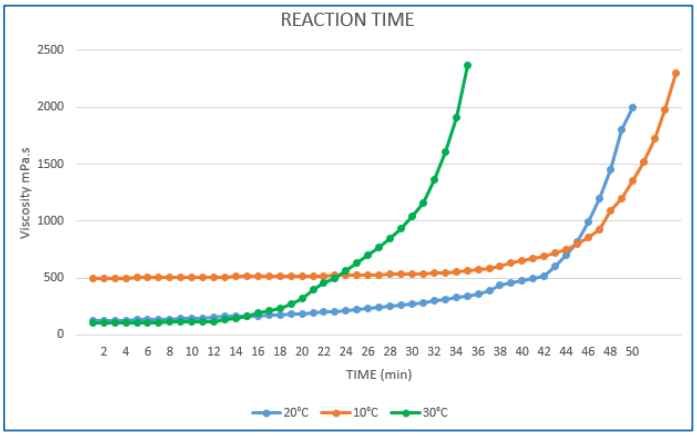
- **Step 1**: Add the required amount of component A to the B component (mixing ratio 1:1; 100 parts by volume of component A, 100 parts by volume of component B).
- **Step 2**: Mix thoroughly until a homogenous mixture has been obtained, which will be the case after about 2 minutes.
- **Step 3**: The mix can be pumped by means of a single component injection pump. Keep in mind that the processing time of the system is about 50 minutes at 20°C.

To prevent condensation on the liquids at the start of work, the temperature of the components should be at least as high as the ambient temperature.
All opened drums should be purged with dry nitrogen and capped when not in use. It is preferred to use an opened can as soon as possible.
Pumps should be cleaned with PURCLEAN, a cleaning product specially developed for cleaning of polyurethane injection pumps.

TECHNICAL DATA

Mechanical and physical properties of the end product			
Property	**According to**	**Unit**	**Value**
Tensile strength	ASTM D 638	N/mm²	2.0 - 2.3
Elongation at break	ASTM D 638	%	60 - 95
Shore hardness	ASTM D 2240	N/mm²	60 - 85 A 20 - 35 D
Density comp. A (20°C)	ASTM D 0891	g/cm³	ca 0.99
Density comp. B (20°C)	ASTM D 0891	g/cm³	ca 1.07
Viscosity comp. A (20°C)		mPa.s	ca 300
Viscosity comp. B (20°C)		mPa.s	ca 34
Viscosity mixture after 5 minutes (10°C)		mPa.s	ca 300
Viscosity mixture after 5 minutes (20°C)		mPa.s	130
Viscosity mixture after 5 minutes (30°C)		mPa.s	ca 100
Volume ratio			1/1
Weight ratio			1/1.08

GRAPHIC VISCOSITY MIXTURE



PACKAGING

Standard packaging:

- Sets of 10.4 kg
  5 kg component A + 5.4 kg component B
- Sets of 52 kg
  25 kg component A + 27 kg component B

Other type of packaging / private label available on request.

STORAGE

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. The maximum shelf life time is one year. All partially used drums should be covered with nitrogen and re-sealed to prevent the ingress of moisture.

SAFETY AND HEALTH PRECAUTIONS

For more information, consult the safety data sheet.