

## PC<sup>®</sup> STRUCTO - INJECT 1390

### Very low viscosity epoxy injection resin

#### 1. Description

**PC<sup>®</sup> Structo-Inject 1390** is a 2-component solvent-free injection resin with very low viscosity for injection into cracked concrete.

#### 2. Application

**PC<sup>®</sup> Structo-Inject 1390** is the very low viscosity injection resin and is used for structural repair of cracks in concrete pillars, beams, wooden spans, anchoring threaded rods in concrete, cracks in masonry, ...

#### 3. Characteristics

- Very low viscosity
- Good penetration, even in hairline cracks
- Very good adhesion to concrete, wood, metal, ... even in unfavourable conditions such as the combination of low temperatures and frost.
- High mechanical characteristics
- Fast-hardening
- Longer pot life than standard injection resin PC<sup>®</sup> Structo-Inject 1380.

#### 4. Technical data

- |                                      |          |   |
|--------------------------------------|----------|---|
| • Appearance:                        | A-comp:  | transparent yellow  |
|                                      | B-comp:  | transparent yellow  |
| • Pot life (25°C):                   |          | 80 min  |
| • Mixing ratio (weight):             |          | 10 kg A / 3 kg B  |
| • Tensile strength (EN ISO 527):     |          | 62 N/mm <sup>2</sup>  |
| • Compression strength (EN ISO 604): |          | 106 N/mm <sup>2</sup>   |
| • Flexural strength (EN ISO 527):    |          | 99.5 N/mm <sup>2</sup>  |
| • Density (20°C):                    | A-comp:  | 1.10 g/ml   |
|                                      | B-comp:  | 0.94 g/ml   |
|                                      | mixture: | 1.05 g/ml   |
| • Application temperature:           |          | >10°C   |
| • Viscosity (25 °C):                 | A-comp:  | 125   |
|                                      | B-comp:  | 25  |
|                                      | mixture: | ± 100 mPa.s   |
| • Storage life:                      |          | 24 months after date of production in original, unopened and undamaged packaging, stored dry between + 5°C en + 30°C. |

Terbekehofdreef 50-52  
B-2610 Wilrijk

phone +32 3 828.94.95  
fax +32 3 830.27.69

info@tradec.be  
www.tradec.be



## 5. Application advice

An injection device that respects the mixing ratio of the components  $A/B = 3/1$  should be used. Before injection is done, the cracks should be sealed on the surface with a polyester paste, quick-setting mortar or a thixotropised epoxy primer.

The injection points should be equally spaced along the length of the crack; the interval between the injection points should be the same as the thickness of the construction being injected.

After thorough mixing of the two components in the correct proportions with the proper injection equipment (injection pump, grease gun or crack-injector), the **PC® Structo-Inject 1390** injection resin is injected into the crack. The injection pressure depends on the size of the crack, the way of working, ....

## 6. Consumption

Depends on the surface being injected.

## 7. Sizes and weights

Standard packaging: 10 kg A / 3 kg B

## 8. Cleaning

Unhardened product can be removed with acetone.

## 9. Precautions and safety recommendations

- Ensure sufficient ventilation while injecting
- Wear protective glasses, gloves and protective clothing.
- Avoid contact with skin and eyes
- See safety data sheet for more information.