

# EP 1390 Epoxy Injection Resin

## Technical Data

Stabila EP 1390 is a very low viscosity two component pure epoxy (no fillers) injection resin, consisting of a resin and no solvents hardener.

### Uses

Stabila EP1390 is used for sealing cracks in concrete, brickwork, wooden trusses and for anchoring steel reinforcement and dowels in concrete. The resins can be injected using conventional hand operated cartridge gun applicators, Stabila Crack Injector applicators or for greater volume work by use of a two component epoxy injection pump.

Stabila EP1390 exhibits the following properties:

- Very Low viscosity
- High penetration capacity
- Very good adhesion to concrete, wood and metals
- High mechanical properties

### Mixing

Mix the resin (Part A) and hardener (Part B) at a volumetric ratio of 3.33:1 thoroughly using a small paddle mixer prior to filling of hand held cartridge guns or Stabila Crack Injectors. Alternatively mix within mixing reservoir of two component epoxy injection pumps at the correct ratio. Part mixing of packs is possible. Part mixes should be pro-rated by volume of each component.

### Mechanical Properties

- |                           |   |
|---------------------------|---|
| • Colour:                 | Part A: transparent yellow liquid<br>Part B: yellow transparent         |
| • Pot Life (25° C)        | 80 minutes  |
| • Mixture                 | Part A 10kg to Part B 3kg   |
| • Tensile Strength        | 62 N/mm <sup>2</sup>  |
| • Compressive Strength    | 106 N/mm <sup>2</sup>   |
| • Bending Strength        | 99.5 N/mm <sup>2</sup>  |
| • Density (20°C)          | Part A – 1,10 ± 0,02<br>Part B – 0,94 ± 0,02<br>Mixture 1,05 ± 0,05     |
| • Application temperature | >10°C   |
| • Viscosity (25°C)        | A-comp – 125 ± 25 mPa.s<br>B Comp – 25 ± 5 mPa.s<br>Mixture ± 100 mPa.s |

## Packaging

Standard Packaging Part A 10kg & Part B 3kg

## Shelf Life

Original Packaging: 1 year

## Cleaning

Non hardened product can be removed by using acetone. Hardened product may require removal by mechanical means.

## Precautions and Safety Requirements

- Ventilate during application in confined spaces
- Avoid contact with the skin and eyes
- For more information see the Material Health & Safety Data Sheet