Revision date: 23/1/23

EPODURE P/TH

Low Viscosity / Thixotropic Injection Grout

DESCRIPTION

EPODURE P is an ultra-low viscosity epoxy resin grout which is suitable for the injection of cracks and voids down to 0.25mm.

EPODURE TH is a thixotropic resin, suitable for the injection of cracks and voids down to 1.5mm. Both products are supplied as a two-component pack, consisting of a base component and a curing agent, supplied in pre-weighed packs suitable for site mixing.

USES

EPODURE P/TH is suitable for the grouting of fine gaps which preclude the use of alternative grouts. It is particularly suitable for injection of fine cracks in concrete and masonry, forming part of a remedial strategy.

ADVANTAGES

- High strength.
- Excellent bond strength to masonry and concrete.
- Chemical resistant.
- Water resistant.
- Available in two grades to facilitate different applications.

Property	Value
Colour	Clear
Compressive Strength @ 20°C	70 MPa
Tensile Strength @ 20°C	21 MPa
Flexural Strength @ 20°C	48 MPa
Adhesion to Concrete	4.2 MPa (Concrete Failure)
Pot Life	70 mins @ 20°C

PROCEDURE

Surface Preparation: The gap to be grouted should be clean, dry and free from oil, dust, grease and other contaminants. Fine cracks maybe reamed out using air to remove contaminants. Steel component should be free from rust.

Mixing: The base component and the curing agent should be mixed together thoroughly using a slow speed drill paddle mixer until uniform consistency is achieved.

Application: The mixed grout, maybe placed by gravity feed or by injecting with a suitable injection gun. When injecting into a fine crack, then an injection flange should be bonded, centrally over the crack, using EPODURE PY100 as an adhesive. The injection flange should be bonded at suitable centres depending on the depth of the crack. The surface cracks between the injection flanges should then be filled using the EPODURE PY100 as rapid setting filler. The resin should then be injected into the injection nozzle using an injection hose to connect the injection gun to the injection flange. Sufficient resin should be pumped into the crack until it begins to seep out of the adjacent flange. A plug should then be inserted into the filled injection flange, before moving on to inject subsequent flanges.

Curing: The resin will have cured sufficiently after 24hrs at 20°C, to be put back into service. Full chemical cure will have taken place after 7 days at 20°C.

Equipment Cleaning: Equipment should be cleaned immediately using PREMCRETE CLEANING SOLVENT.

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PACKAGING & COVERAGE

Pack Size: EPODURE P is supplied in 1kg and 5kg packs.

Yield: 1kg pack is sufficient to cover approximately 0.9m^2 at 1mm thickness.

STORAGE & SHELF LIFE

EPODURE P/TH should be stored in unopened containers, at temperatures between 10^{0}C and 25^{0}C. When stored in unopened containers the product will have a shelf life of 12 months.

HEALTH & SAFETY

See separate material safety datasheet.