

eile EPX 120

Epoxy Based, High Strength, Low Viscosity Grout Resin

Description

It's a two-component composed of high strength resins, solvent free, low viscosity grout resin.

Areas of Usage

eile EPX 120 is used to fill gaps and cracks in bridges and other engineering structures, columns, beams, basement and floor structures.

eile EPX 120 is injected into cracks and gaps and adheres concrete elements to each other.

Features of Product

- *It is solvent free.
- *It can be used at low temperatures.
- *It is cured without shrinking.
- *It has high mechanical and adherence strengths.
- *Hard but not fragile.
- *Low viscosity.
- *It is injected with unifactorial pumps.

Application Procedure

Surface Preparation

The surfaces should have sufficient strength. Concrete should have 25 N/ mm² compressive strength and 1,5 N/mm² tensile strength. The surface should be clean, smooth and dry and not exceed 5% moisture, free parts on the surface should be cleaned and concrete age should be 4 weeks at least.

*Avoid under 10°C temperatures and very humid ambient.

*Pay attentions to mixture rates.

Application

Cracks on horizontal floorings: Apply it on the surface a few times with a brush by letting absorb or pour the mixture and fill it. The cracks seen under the flooring should be filled with **eile EPX 100** veya **eile POWER WT 1** previously. Cracks on vertical floorings: Mixed **eile EPX 120** can be injected with a binary component injection pump.

Injection points (Packers) are inserted with 10-25 cm spaces near cracks and crack surface between injection points is filled with **eile EPX 100** or **eile POWER WT 1** epoxy based repair mortar in order to prevent resin to go out during injection procedure. For vertical cracks, injection procedure should be done from bottom to top. After grout resin gets out from the next packer, the grout packer is closed and continued to do this procedure. After injection procedure is completed, injection points (packers) and the material filling cracks between them are removed.

Technical Specifications

Colour	: Colourless
Brightness	: Bright
Solid matter by weight	: 100%
Specific Weight	: 1,05±0.05 gr/m
Chemical strength	: 7 days 20°C
Compressive strength	: 50 N/mm ²
Adherence to concrete	: 3-3,5 N/mm ²
Tensile Strength	: 25 N/mm ²
Mixture exposure time	: 30 minutes
20°C	

Package

Set: 16 Kg

A Component: 11 kg bucket

B Component: 5 kg bucket

Storage

It should be stored in unopened original package between +5 °C and +35 °C. It should be protected from direct sunlight and frost.

Shelf Life

Shelf life is 12 months from production date. The production date is on the package.

Safety Recommendations: Please wear the coveralls, protective gloves, glasses and mask suitable for occupational health and safety. Make sure that it does not contact the skin and the eyes; in case it does, wash with plenty of water. In case swallowed, contact the closest health care institution immediately. Keep out of the reach of children. Keep food and drinks away from the application areas.

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