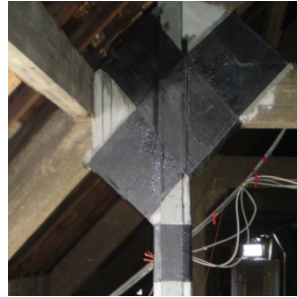


CARBOTEX IMPREG

Two components solvent free epoxy resin for the impregnation of carbon, aramid and glass fibre textiles.



Application

Used for the impregnation of carbon, aramid and glass fibre textiles. Can be used during production or on the job site to form a composite material with high mechanical properties.

Advantages

- Can be used without a primer.
- Excellent impregnation of the textile.
- High glass transition temperature (Tg.).
- No shrinkage.
- Easy application.

Composition

The CARBOTEX IMPREG SYSTEM is 2 components solvent free epoxy system (resin and hardener).

Application prescriptions

1. Surface preparation

- Roughen the surface by eg. sanding.
- Remove all surface defaults and inequalities and repair all damaged concrete (cracks, surface defaults,..) with an epoxy mortar (EPOXMORTAR or REPAR FAST).
- Remove all dust, oil and grease.
- Min. age of the concrete: 28 days.
- Repair all cracks with EPOXINJECT.
- Smoothen all inequalities.
- Round off the angles of beams, colons or pillars.

2. Mixing instructions

Mix the predosed A and B components in a clean bucket until a uniform mass is obtained. Use this mixture within a span of 30 min. (potlife). In case when the temperature is $>20^{\circ}\text{C}$, the potlife is shorter

3. Application

- Apply a first layer of resin with a roller or brush
- Position the textile in the resin and press well using a disc roller
- Make sure all air-inclusions are removed.

Apply a second layer of resin on the textile and make sure the textile is well saturated.

Technical data

Viscosity of the mixture:	± 3700 mPa.s
Potlife:	± 30 min. (20°C)
Density	1,1 kg/l
Tensile strength:	60 N/mm ²
Compression strength:	90 N/mm ²
Flexural strength:	90 N/mm ²
Elasticity modulus:	3000 – 3500 N/mm ²
Mixture:	A component 2,35 kg and B component 0,65 kg
Adhesion:	> 3N/mm ² (fracture in the concrete)

Consumption

About 2 times the weight of the textile/m². You need 600 gr/m² CARBOTEX IMPREG for 300 gr/m² CARBOTEX UD 300

Packaging

Standard packing: 3 kg sets

A component:	2,35 kg
B component:	0,65 kg

Storage

Storage in a dry and fresh place min. 2 years in the original, unopened packing.

Safety and health precautions

Avoid all contact with the skin and eyes.
Wear safety clothing, gloves and eye protection.
Read the MSDS data sheets.

CARBOSTRIP system (overview)

CARBOTEX IMPREG is part of the complete range products in the CARBOSTRIP system:

- CARBOTEX UD: carbon fibre textile for structural strengthening.
- CARBOSTRIP UNI: unidirectional carbon fibre laminates.
- CARBOSTRIP ADHESIVE: epoxy glue for carbon fibre laminates. (CARBOSTRIP).
- EPOXPRIM: epoxy primer for the preparation of the concrete when using EPOXMORTAR.
- EPOXMORTAR: epoxy mortar for concrete repair.
- EPOXINJECT: epoxy resin for structural repair of concrete by injection.

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