

CARBOSTRIP ADHESIVE

2-component, solvent free, high quality, thixotropic epoxy glue for carbon fibre laminates or steel plates. Glass transition temperature: > 80 °C.



Application

Gluing of carbon fibre laminates or steel plates as external reinforcement on concrete, wood or steel.

Properties

- Easy to apply and no primer necessary.
- High strength against shocks and debonding
- Excellent mechanical strength.
- Adhesion to wood, stone and concrete is better than the consistency of the material.
- High resistance to abrasion and impact.
- Shrink free curing.
- Components have different colours, so on the jobsite, it is easy to control the homogeneity of the mixture.

Composition

Universal solvent free, thixotropic, 2-component epoxy adhesive. All components are supplied in a predosed set.

Component A: epoxy resin

Component B: hardener

Application prescriptions

- All surfaces must be clean, dust and grease free and without any stagnating water and loose material. Concrete must be at least 3 to 6 weeks old depending on the climate. Cleaning of the surface with a metal brush, sanding or water pressure.
- Mix the two components during 3 to 4 minutes until a homogenous colour is obtained.
- Apply a thin layer of epoxy glue on the carbon fibre laminate/steel plate.
- Press this carbon fibre laminate firmly against the construction. The redundant glue is removed from the sides of the laminate
- A rubber roll is being used to remove the air bells and to press the laminate in the perfect position. Again, remove the redundant glue.

שיווק בלעדי:



טכנולוגי (1992) בע"מ

תצוגה ומכירות: מושב בית נחמיה, משק 75

מען למכתבים: נחל בוקק 6, מודיעין 71704

טלפון: 972-8-9702384 פקס: 972-8-9702385

דוא"ל: contact@frp.co.il אתר: www.frp.co.il

Technical data

- The average thickness of the glue on the laminate is 1 to 2 mm
- A comp: black colour
- B comp: white colour
- Potlife: ± 70 min. (depending on external temperature)
- Density: 1,75 kg/l (mixed density)
- Mixing: A comp 10 kg / B comp 5 kg
- Tensile strength: 49 N/mm²
- Compressive strength: 140 N/mm²
- Flexural strength: 70 N/mm²
- Shear strength: 26 N/mm²
- E-modulus: 16000 N/mm²
- Adhesion: > 3 N/mm² (concrete failure)
- Curing time: 24 Hr.
- Glass transition temperature: > 80 °C

Usage

Depending the width of the carbon fibre laminate. Please contact us for advice.

Packaging

Standard packaging: sets of 15 kg.

Storage

2 years, dry and above the surface in original packaging, and at a temperature between +5°C and +30°C.

Safety and health precautions

CARBOSTRIP ADHESIVE is an on epoxy resin based system which may cause irritations to the skin. Wear protective clothing, hand gloves and security glasses. See MSDS sheet.

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CARBOSTRIP system (overview)

CARBOSTRIP ADHESIVE is part of the complete range products in the CARBOSTRIP system:

- CARBOSTRIP UNI: unidirectional carbon fibre laminates
- CARBOTEX UD: carbon fibre textile for structural strengthening
- CARBOTEX IMPREG: epoxy resin for impregnation of carbon fibre textile
- EPOXPRIM: epoxy primer for the preparation of the concrete
- EPOXMORTAR: epoxy mortar for concrete repair
- EPOXINJECT: epoxy resin for structural repair of concrete by injection

All information is given in good faith and without any warranty. The application, use and processing of these products are beyond our control and therefore entirely your responsibility. Established liability if any, through bad application or any other reason, for any damages, is always limited to the value of the goods supplied by ADCOS nv. The products and systems are manufactured under total quality management (12 July 2013)

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