CARBOSTRIP ADHESIVE TDS

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 pre-dosed 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.
- The average thickness of the glue on the laminate is 1 to 2 mm.

TECHNICAL DATA

Colour A component	Black
Colour B component	White
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 h
Glass transition temperature	> 80 °C

USAGE

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

PACKAGING

Standard packaging:

- Set 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

Avoid breathing dust/fume/gas/mist/vapours/spray.
Wear protective gloves/clothing, eye protection and face protection.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If on skin or hair: Take off immediately all contaminated clothing. Rinse skin with water/shower.
For more information, consult the safety data sheet.

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