



TECHNICAL DATA

CORU FBR 701



PRODUCT DESCRIPTION

It is a two-component, epoxy resin based, thixotropic structure, specially developed carbon fabric adhesive. It has high fiber saturation ability and adherence. It can work on vertical surfaces without flowing.

AREAS OF USE

- It is used in bonding carbon fiber reinforcement fabrics and repairing all kinds of materials such as concrete, stone and marble.

ADVANTAGES

- It is a very easy material to apply.
- It is impermeable to water and gas.
- For manual feeding.
- Used on vertical and overhead surfaces.
- It is resistant to chemicals and abrasion.
- Provides excellent adhesion to concrete.
- It has high mechanical properties.
- Does not contain solvent.

APPLICATION

Surface preparations:

The application surface must be dry and free from all kinds of dust, dirt, weak and loose particles, cement grout residues, oil and grease. The concrete sub-floor must be solid and have sufficient compressive strength (minimum 25N/mm²) and tensile strength (minimum 1.5N/mm²).

Preparation of the mixture:

The product is a two-component product and it is recommended to mix the amount that will be consumed by taking the container cover into consideration. Excessive mixtures will become unusable after the potlife period is over. After adding component B to component A, mix with a low-speed electric mixer for 2-3 minutes (300rpm) until a homogeneous color is achieved.

APPLICATION:

During mixing and application, use rubber gloves and work goggles to protect your skin and eyes from being affected. Do not add any foreign substance or water to the product. In extremely hot weather, the product will harden immediately when mixed, so only enough mixture should be made to be consumed. It should not be applied if the temperature is below +5°C. CARBON FIBER is cut and prepared as needed. Carbon epoxy resin is applied to the concrete surface with a spatula or roller. CARBON FIBER is glued to the Carbon applied to the surface by hand, leaving no air gap. While doing this, a serrated roller is used to ensure that the epoxy resin below comes out from the carbon fiber. The same process is applied to the entire surface in a homogeneous manner so that the epoxy resin reaches the upper surface. If the epoxy resin is insufficient, the Carbon epoxy resin is pulled back to the upper surface and the carbon fiber fabric is saturated with the resin. If it is desired to plaster over the application that has finished the reinforcement process, silica sand is sprinkled on the finished surface and the surface is made suitable for plaster application.

TECHNICAL SPECIFICATIONS

Colour	Gray
Intensity	1,25±0,05 g/cm ³
Ground temperature to be applied	(+5°C) -(+35°C)
Mixing ratio(by weight)	4:1
Pot life	30 minutes
Solid matter	%100
Adhesion to concrete	3 N/mm ²
Adhesion to steel	>3,5 N/mm ²
Compressive strength	80 N/mm ²
Flexural Strength	40 N/mm ²
Tensile Strength	30 Mpa
Reaching Full Strength	7 days

STORAGE, PACKAGING, CONSUMPTION

- It can be stored for a minimum of 12 months in its original unopened buckets in dry environments at temperatures between 5°C and 25°C.
- Comp. A: 4 kg - Comp. B: 1 kg metal tin

WARNINGS AND PRECAUTIONS

- Use appropriate safety equipment (mask, gloves, glasses).
- Protect your eyes and face.
- Avoid contact with eyes and skin.
- For detailed safety information, please read the Material Safety Data Sheet.
- Wash all hand tools and application equipment with clean water immediately after use.
- Hardened and cured materials can be cleaned mechanically.