

10.1 PRODUCTS FOR REPAIRING WALL AND CONCRETE STRUCTURES

EPOWRAP FG 200



Unit of measurement	Pieces/Pallet	Consumption	Color/other specifications
5 Kg	12 pcs/box 36 pcs/pallet	0.7-1 Kg/m ² /mm	Grey



EPOWRAP FG 200

Epoxy-base, bi-component adhesive, for fabrics with carbon fiber.

FEATURES

EPOWRAP FG 200 is a bi-component, epoxy adhesive in the form of paste.

After solidification, it ensures high adhesion with the support, excellent strength and increase of resistances in compression and flexion. The product is classified as a structural bonding agent for outdoor concrete reinforcement, according to EN 1504 - 4.

AREAS OF APPLICATION

EPOWRAP FG 200 is used for connecting carbon fabric, for the structural reinforcement of building structural elements in systems (F.R.P).

MANNER OF APPLICATION

Surface preparation:

The surface must be:

- Chemical, sufficiently strong and stable.
- Free of materials that might prevent adhesion, such as dust, loose particles, grease or oil, etc. • It is recommended to treat the surface mechanically by roughening it.
- If there are cracks in the concrete, they should be repaired by injection, using materials like EPOLOT.
- The substrate should be as flat as possible.
- Damaged areas should be repaired using EPOWRAP FG 200.

MIXING THE COMPONENTS

Components A and B are packaged in two separate containers, in predetermined mixing ratio by weight. Mix thoroughly the entire amount of component A with the entire amount of component B. The components should be stirred for about 5 minutes with an adequate mixer.

APPLICATION

After mixing, EPOWRAP FG 200 is applied on the surface through a screed or brush. Then, carbon fiber fabrics are set, and on them is exerted pressure through a dry plastic roller, in order to release the air that is between the concrete and carbonate tile.

CONSUMPTION

0.7 - 1 kg/m² for 1mm thickness.

PACKAGING

EPOWRAP FG 200 is packaged in buckets of 1 kg Component A and 4 kg Component B.

STORAGE

24 months after date of production, if stored in unopened and original packaging, protected from direct exposure to sun and frost.

TECHNICAL DATA

Base	Epoxy resin
Form	Paste
Color	Grey
Density	1.55 Kg/L
Pot life	60 min
Adhesive strength	20 N/mm ²
Elasticity module	10 N/mm ²