

## EPOWRAP IM 400



Unit of measurement	Pieces/Pallet	Consumption	Color/other specifications
5 Kg	12 pcs/box 36 pcs/pallet	1.5-2 Kg/m <sup>2</sup> /mm	Grey



### EPOWRAP IM 400

Epoxy-base, bi-component adhesive, for tiles with carbon fibers.

### FEATURES

EPOWRAP IM 400 is a bi-component, epoxy adhesive in paste form. 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 IM 400 is used for connecting carbon tiles, for the structural reinforcements 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 IM 400 .

### 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 IM 400 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

1.5- 2.0 kg/m<sup>2</sup> for 1mm thickness

### PACKAGING

EPOWRAP IM 400 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 <sup>2</sup>
Elasticity module	10 N/mm <sup>2</sup>