

UNIWRAP CFP 300



Unit of measurement	Pieces/Pallet	Color/other specifications
mL	1 pcs/box	50m x 30cm / 220gr/m ²
--	--	50m x 30cm / 280gr/m ²
--	--	50m x 50cm / 220gr/m ²
--	--	50m x 50cm / 280gr/m ²



UNIWRAP CFP 300

Fabric with carbon fibers for structural reinforcements of concrete.

FEATURES

- Carbon fibers, steady in one direction
- Combination with epoxy resins EPOWRAP FG – 200 forms a composite material.
- Strengthening external structural elements and allows the diffusion of vapors.
- High elastic resistance and insulation.

AREAS OF APPLICATION

Carbonate fabric UNIWRAP CFP - 300 is used as an outdoor reinforcement, for outdoor adhesion and bonding of structural elements with the epoxy resin EPOWRAP FG - 200, for the increase of mechanical forces of beams and concrete columns, for the improvement of the connection of columns by:

- Strengthening structures with high resistances to seismic movements
 - Protecting and strengthening concrete elements from corrosion.
 - Increasing cargos, until the change of usage destination
 - Repairing concrete structures after damage from earthquakes.
- Strengthening with composite materials can be applied to concrete, wood and steel elements and retaining walls.

MANNER OF APPLICATION

1. Surface

- The surface must be free of detached parts, plaster, paint, oil or grease. After a thorough cleaning, the surface is roughened by a metallic brush.
- Existing cracks in the concrete should be repaired by injections with EPOLOT products.
 - External corners must be rounded to a radius of 10 - 30 mm.
 - Surface should be as flat as possible.
- Any superficial defects should be repaired using EPOWRAP PRIMER.



APPLICATION

Firstly, apply EPOWRAP FG – 200 on the surface which will be treated. Then, UNIWRAP CFP - 300 is cut with scissors in the desired dimensions. After careful placement on the surface, the fabric is slowly applied by a special plastic roller in order to achieve a better contact with the surface, complete impregnation and removal of air bubbles. Fabric direction should follow the direction of elastic forces and its fibers should be as straight as possible. During the insulation of columns, the superposition of fabric should be approximately 15 - 20 cm.

- If more than one layer of application is needed, the above-mentioned process is repeated. In this case, the previous layer should not be completely dry; otherwise, you should roughen the surface again.
- Following that, the fabric layer is covered on the outside with EPOWRAP FG - 200 and then, quartz sand is poured on the layer as long as it is still fresh, in order to apply later a protective, cement-based layer.

PACKAGING

UNIWRAP CFP – 300 carbonate fabric, is available in 50 m long and 60 cm wide packaging.

TECHNICAL DATA

Weight of carbon fibers	200 g/m ²
Total weight of the fabric	224 g/m ²
Thickness	0,11 mm
Width of fabric	60 cm (± 1 cm)
Length of fabric	50 m (± 0,5 m)
Weight of fabric	6,7 kg