

DCW 200



DESCRIPTION

Carbon fiber fabric for structural strengthening of buildings in seismic areas.

CHARACTERISTICS

- Carbon fibers that continue in one direction.
- In combination with epoxy resins DCW 200, it forms a composite material.
- Strengthens external structural elements and allows the diffusion of vapors.
- High elastic resistance and insulation.

RECOMMENDATIONS FOR USE

Carbon fabric DCW 200 is used as an external reinforcement, for outdoor adhesion and bonding of structural elements with the epoxy resin DCW 200. Used for the increase of mechanical forces of beams and concrete columns, for the improvement of the connection of the columns by:

- Strengthening structures with high resistance 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.

SURFACE PREPARATION

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 EPODUR products.
- External corners must be rounded to a radius of 10 - 30 mm.
- The surface should be as flat as possible.

TECHNICAL DATA

Density of the fiber:	200 g/m ²
Density:	224 g/m ²
Thickness:	0,11 mm
Width:	60 cm (± 1 cm)
Length:	50 m (± 0,5 m)
Weight:	6,7 Kg

APPLICATION

Any superficial defects should be repaired using DCW 200. Firstly, apply DCS 2K 200 on the surface which will be treated. Then, DCW 200 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 DCW 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 (plaster).

PACKAGING

Roll in 50 m long and 60 cm wide packaging.

HEALTH AND SAFETY INFORMATION

Keep out of reach of children. In case of contact with the eyes or swallowing, please seek medical advice immediately and show the contents of the container. Do not dispose the product into drains.

