Descripción

Tissue based on carbon fiber that is used for mechanical strengthning structures. TEJIAIS CARBONO is joining to the support by EPOAIS CARBONO.

Aplication

Structural reinforcement based on TEJIAIS CARBONO that is used to reinforce structures that require: to increase reinforced capacity, repair damage, prevent any damage that can arise from seismis movements and changes that may take place in the building structure.

Surface preparation

The background of application of this system must be dry, firm, free of dust and loose particles. Concrete requires a minimum curing time of 28 days.

Modes of application

Preparation of the background:
- Clean the support mechanically by sandblasting or sanding,

cleaning so as to eliminate any trace of dust, loose particles or releasing agents, or any other element that may prevent proper adherence.
- The minimum ageing period of concrete will be 28 days (less than 4% of humidity).
- Cohesion of the support measured by its resistance to tearing will be more than or equal to 1 N/mm2.
- The corners of the structures must be rounded in a radius of at least 10 mm.
- The maximum temperature of service will be 50ºC.
- For installation, the required temperature of the support is 3ºC above dew temperature.
Mixing of the adhesive:
- Mix the two components with the adhesive.
- Apply the adhesive onto the support with a paint brush or brush according to the surface of application.
- Place TEJIAIS CARBONO on the fresh adhesive(with the fibres placed in the right direction), preventing the formation of occluded air.
- If more than one layer of TEJIAIS CARBONO is required, an additional layer of resin is first applied followed by three layers of TEJIAIS CARBONO maximum.
- In order to finish, apply one layer of TEJIAIS CARBONO and add ARCUAIS 1.2-1.5 provides anchoring for the application of cement based renders.
- When overlapping with the fibres following the same direction, the fibres overlap in a thickness of at least 10 cm.

Clean up

Clean tools using DISOLVENTE EPOXI solvent.

Data sheet

Elastic module in flexural strength240.000 N/mm2

Elongation until breaking point1,5%

Width30 mm

Thickness0,117 mm

Weight200 grs/m2

Resistance to traction3.900 N/mm2

Performance

According to the application.

Storage

Unlimited time for storage.