

TecnoFib Glass Net 510

GLASS FIBRE NET WITH ANTI-ALKALI TREATMENT

Description Fiberglass mesh with bidirectional balanced warp and anti-alkali treatment.

Advantages and characteristics The net in fiberglass TECNOFIB GLASS NET 510 is used in reinforcement systems, in combination with thixotropic mortar or castable one and two-components mortars. The mechanical behavior of reinforcement net Tecnofib Glass Net 510 is linear elastic up to break. The tolerated static load applied, shall be 1/3 of the tensile strength of the fibre. The fabric is alkali resistant.

- Indicated use**
- For anti-tilting systems for non-structural in seismic areas.
 - In systems for sealing of defects in walls with cracks.
 - For the reinforcement of masonry structures.
 - Reinforcement by embedding.
 - Restoration of vaults, arches, masonry constructions.
 - Reinforcement of concrete structures.

Method of use The application of the reinforcing mesh on structures in reinforced concrete must be preceded by a preparation of support by wire brushing or sandblasting to remove the loose and degraded parts. Followed next by a smoothing operation based on the use of thixotropic mortars. We recommend the application of the glass fibre net with a two-component thixotropic mortar with high adhesion (type BS 38/39-2,5 MuCis®). In anti-tilt systems, the net will be embedded in the first layer of mortar while still fresh, pushing it in the mortar till the mortar penetrates through the mesh of the net. Then apply next a second layer of the same mortar.

For system for the bonding on cracks and damages, open and adequately clean first the crack, and prime the surfaces. Next fill them with the same two-component structural mortar. Next place the net and position the fiberglass net with bidirectional warping in the structural mortar, still fresh. The width of the net over the crack varies in function of the crack pattern existing and based on the type of masonry.

Packaging Rolls of 100 linear meters, width 100 cm.

- Technical characteristics (typical values)**
- Elongation till break: 3,5%
 - Elasticity modulus: 26.000 N/mm²
 - Tensile strength till break:
 - Warp : >6600 N/5cm
 - Weft : > 6200 N/5cm
 - Thickness : 0,95 mm
 - Weight: 510 gr/m²
 - Mesh: 10x8 mm

Safety indications Read carefully the indications on the packaging, or consult the specific Material Safety Datasheet .

The above data are based on our actual and most experienced practical and laboratory knowledge and the results are collected from application of the product in different situations. Tecnochem Italiana does not assume any responsibility regarding inadequate or negative performance as a result of improper use of the product or for defects deriving from factors or elements other than the quality of the product including improper storage. The technical characteristics and performance mentioned in this datasheet are updated periodically . The revision dates and number of revision of the datasheets are listed in the table below . Eventual variations are traceable on our website www.tecnochem.it where the most updated datasheets can be retrieved.