

TecnoFib FIOCCO glass 73

CONNECTORS IN FIBRE GLASS

Description Connectors realised with unidirectional, alkali resistant glass fibre filaments, enclosed in a net.

Advantages and characteristics Spreadable ends and adaptable to the reinforcement fabric. Allows installation in one step to create effective systems of anchoring of elements in composite materials. Can be cut to size.

Fields of use Main applications:

- For the realisation of structural reinforcing anchoring with glass fibre fabric on walls, vaults, cupulas, arches etc.
- Sealing of defects in masonry in general
- Installation of reinforcing, supporting bars in general

Method of use Take the necessary quantity from the box to perform the anchor or sealing. Curl the containment net of the strand upwards so as to protrude the filaments of glass fibre. Spread and impregnate the fibres with a two-components epoxy adhesive TECNOEPO 701/UNIC. Enclose again the strands in the network and insert the ribbon through the hole previously prepared within the structure of the object to reinforce. Next, open 360 degree the glass fibres remained outside the hole and glue them onto the fabric or glass fibre reinforcement mesh previously installed with the help of TECNOEPO 701/UNIC applied with a roller.

Method of implementation and use of rigid connectors

A ridged connector can be achieved by immersing the unidirectional alkali-resistant fibreglass filaments in the resin **Tecnoepo IN 03**. With the resin still wet, sprinkle abundantly quartz sand with indicative characteristics of 0.7 - 1.2 mm on the surface and allow the resin to cure properly with the connector attached at one end and held tight to ensure the linearity of the hardened connector.

The connector thus produced can be used according to the instructions of use as mentioned above. In the case of generic installation of supporting bars, drill holes in the support of at least 2 mm larger than the diameter of the connector and the required depth in this case. Remove dust with compressed air from the holes: in the case of inclined holes inject epoxy resin **Tecnoepo 701/UNIC**; in the case of horizontal or inclined holes up, use the chemical anchoring TECNO ANCORVINIL 380.

Packaging Rolls of 10 linear meters

Technical Characteristics (typical values)

- Tensile strength: 2000 Mpa
- Tensile Elasticity modulus: 73 GPa
- Deformation till break: 3.5%
- Density: 2.5 g/cm³
- Available diameters of the connectors: 6, 8, 10 or 12 mm

Safety indications Read carefully the safety indications on the packaging, or consult the relevant Material Safety Datasheet of this product.

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.

Edition date: 06/2007
Revision date: 10/2014

Nr. rev.: 3

TecnoFib FIOCCO glass 73
pag. 1/1