

REVOGRID

Supply and installation of preformed monolithic structural mesh made of GFRP (Glass Fibre Reinforced Polymer). Consisting of pultruded glass fibre rods impregnated with epoxy resin, designed for the consolidation and structural reinforcement of buildings (Ref. ETA 25/0119).

The product must be used for:

- Construction of CRM (Composite Reinforced Mortar) system in combination with angle brackets, connectors and structural plaster mortar
- Reinforcement of infrastructures to improve strength and durability without increasing weight
- Consolidation of traditional masonry to prevent fractures and collapsing
- Consolidation work on historic buildings, preserving original materials
- Reinforcement of slabs and floors to increase load-bearing capacity without increasing weight
- Seismic improvement to increase resistance to seismic or telluric stresses

The material must have the following characteristics:

ETA Certificate 25/0119 and compliant with the requirements of EAD 340392-00-0104

REVOGRID

| Feature | Value | Standard |
|---|---------------------------------|--------------------|
| Format | 1,60 x 30 m | - |
| Mesh dimension | 66 x 66 mm | - |
| Bar diameter | 3 mm | - |
| Weight | 450 g/m ² | - |
| Fibre type | Continuous filament glass fibre | - |
| Type of sizing | Epoxy resin | - |
| Weaving | Bi-directional | - |
| Tensile modulus, mean value (*) | 40 GPa | EAD 340392-00-0104 |
| Tensile strength, characteristic value (*) | 730 Mpa | EAD 340392-00-0104 |
| Mean tensile load per single bar (*) | 5,8 kN | EAD 340392-00-0104 |
| Mean tensile load per length unit (*) | 87 kN/m | EAD 340392-00-0104 |
| Strain at failure, characteristic value (*) | 1,95% | EAD 340392-00-0104 |

(*) Minimum value between warp and weft

as well as Revogrid Volteco or a product with equal or superior characteristics.

The technical data must be supported by test certification issued by an accredited official laboratory and / or be subjected to quality control according to ISO 9001.

The product must have the CE marking and be used according to the manufacturer's prescriptions.

For further details on the individual products and installation specifications, refer to the relevant technical data sheets which can be downloaded in the updated version on the website www.volteco.com.