**SPECIFICATIONS**

 REVOGRID CONNECTOR-L

Supply and installation of preformed, L-shaped, improved adhesion connector made from GFRP (Glass Fibre Reinforced Polymer), suitable for connecting GFRP meshes within structural reinforcement systems using the CRM (Composite Reinforced Mortar) technique - Ref. ETA 25/0119.

The product must be used for:

* Construction of CRM (Composite Reinforced Mortar) system in combination with mesh, angle brackets and structural plaster mortar
* Connections to the mortar or concrete casting substrate

The material must have the following characteristics:

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

**Feature, Standard, Values**

**Colour:** Black

**Weight:** 54 g/m

**Tipo di filato:** Continuous filament glass fibre

**Tipo appretto:** Epoxy resin

**Nominal section,** **CNR-DT 203/2006:** 28.26 mm²

**Nominal diameter, CNR-DT 203/2006:** 6 mm

**Short side dimension:** 100 mm

**Long side dimension:** 200 mm

**Tensile breaking strength mean value, EAD 340392-00-0104:** 26.1 KN

**Yield stress mean value, EAD 340392-00-0104:** 926 MPa

**Yield stress characteristic value, EAD 340392-00-0104:** 828 Mpa

**Elastic modulus mean value, EAD 340392-00-0104:** 44.9 Gpa

**Elastic modulus characteristic value, EAD 340392-00-0104:** 42.8 GPa

**Strain at failure, characteristic value, EAD 340392-00-0104:** 1.93%

**Overlap length, EAD 340392-00-0104:** 11 cm

**Crisis load of the overlap joint mean value, EAD 340392-00-0104:** 25.5 KN

**Yield stress of the overlapped joint mean value, EAD 340392-00-0104:** 903 MPa

**Mean extraction force on concrete substrate (\*), EAD 340392-00-0104:** 16.6 KN

**Mean extraction force on brick substrate (\*), EAD 340392-00-0104:** 6.1 KN

**Mean extraction force on stone substrate (\*), EAD 340392-00-0104:** 10.5 KN

**Mean extraction force on tuff substrate (\*), EAD 340392-00-0104:** 5.3 KN

(\*) Anchor length 12 cm

as well as Revogrid Connector-L 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.

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