

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	Values	Standard
Colour	Black	-
Weight	54 g/m	-
Nominal section	28,26 mm ²	CNR-DT 203/2006
Nominal diameter	6 mm	CNR-DT 203/2006
Fibre type	Continuous filament glass fibre	-
Type of sizing	Epoxy resin	-
Short side dimension (A) See attached image	100 mm	-
Long side dimension (B) See attached image	200 mm	-
Tensile breaking strength mean value	26,1 KN	EAD 340392-00-0104
Yield stress mean value	926 MPa	EAD 340392-00-0104
Yield stress characteristic value	828 Mpa	EAD 340392-00-0104
Elastic modulus mean value	44,9 Gpa	EAD 340392-00-0104
Elastic modulus characteristic value	42,8 GPa	EAD 340392-00-0104
Strain at failure, characteristic value	1,93%	EAD 340392-00-0104
Overlap length	11 cm	EAD 340392-00-0104
Crisis load of the overlap joint mean value	25,5 KN	EAD 340392-00-0104
Yield stress of the overlapped joint mean value	903 MPa	EAD 340392-00-0104
Mean extraction force on concrete substrate (*)	16,6 KN	EAD 340392-00-0104
Mean extraction force on brick substrate (*)	6,1 KN	EAD 340392-00-0104
Mean extraction force on stone substrate (*)	10,5 KN	EAD 340392-00-0104
Mean extraction force on tuff substrate (*)	5,3 KN	EAD 340392-00-0104

(*) 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.