**SPECIFICATIONS**

FIBROeRASO

Supply and installation of semi-rapid thixotropic mortar with medium modulus of elasticity and high dimensional stability, based on sulfoaluminate cement and reinforced with synthetic microfibres, suitable for structural repairs, smoothing and protection of reinforced concrete with an excellent surface finish, applied in thicknesses between 1 and 40 mm depending on the type of use.

The product must be used for:

* Structural restoration to thickness and protective millimetre levelling of reinforced concrete structures such as pillars, beams and floors
* To repair exposed and prefabricated concrete walls
* Renovation of cornices and balcony risers
* Wall repair and finishing
* Restoration and structural reinforcement of large works such as viaducts and dams

The material must have the following characteristics:

EC Certification according to EN 1504-3 - Class R4

EC Certification according to EN 1504-2

**Specification, Test method and Values**

**Water vapour permeability (equivalent thickness Sd), UNI EN 7783-2:** Sd = 0.52 m

**Flexural strength after 28 days, UNI EN 196-1:** > 6.5 MPa

**Compressive strength after 28 days, UNI EN 12190:** 50.7 MPa

**Adhesion to the concrete, UNI EN 1542:** 2.17 MPa

**Compressive modulus of elasticity after 28 days, UNI EN 13412:** 21.1 GPa

**Resistance to carbonation, UNI EN 13295:** fulfilled requirement

**Capillary absorption coefficient, UNI EN 13057:** 0.35 kg\*m⁻²\*h⁻⁰·⁵

**Thermal compatibility Part 1 (adhesion after 50 un/freezing cycles), UNI EN 13687-1:** 2.26 MPa

as well as FibroeRaso 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.

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.](http://www.volteco.com/)

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