

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
- Repairs in light grey finish on 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	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 requisite
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.