

FIBROMIX 40

Supply and installation of fiber-reinforced thixotropic mortar with medium modulus of elasticity and controlled shrinkage for structural restoration of reinforced concrete applied in layers not exceeding 3 cm depending on the type of use.

The product must be used for:

- To reinforce and repair reinforced concrete structures such as columns, beams and floors
- To repair walls
- To repair exposed and prefabricated concrete walls
- To repair viaducts and dams

The material must have the following characteristics:

EC Certification according to EN 1504-3 - Class R4

Specification	Test method	Values
Flexural strength after 28 days	UNI EN 12190	8.3 MPa
Compressive strength after 28 days	UNI EN 12190	55.6 MPa
Adhesion to the concrete	UNI EN 1542	2.03 MPa
Compressive modulus of elasticity after 28 days	UNI EN 13412	27.5 GPa
Resistance to carbonation	UNI EN 13295	fulfilled requisite
Capillary absorption coefficient	UNI EN 13057	0.03 kg*m ⁻² *h ^{-0.5}
Thermal compatibility Part 1 (adhesion after 50 un/freezing cycles)	UNI EN 13687-1	2.57 MPa
Thermal compatibility Part 2 (adhesion after 30 thunder cycles)	UNI EN 13687-2	3.46 MPa
Thermal compatibility Part 4 (adhesion after 30 dry thermal cycles)	UNI EN 13687-4	2.63 MPa

as well as Fibromix 40 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.