

# FIBROeRASO

Supply and installation of semi-rapid thixotropic mortar with a medium elastic modulus and controlled shrinkage, suitable for structural repair, 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    | Values                                     |
|------------------------------------------------------------------------|----------------|--------------------------------------------|
| Water vapour permeability<br>(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 <sup>-2</sup> *h <sup>-0.5</sup> |
| Thermal compatibility Part 1<br>(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.

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