**SPECIFICATIONS**

BI MORTAR PLASTER SEAL

Supply and installation of fiber-reinforced coating plaster with waterproof function applied in two layers, with a minimum thickness of 1.5 cm up to 4 cm depending on the type of use.

The product must be used for:

* For underground structures made of either concrete or mixed material
* To waterproof skirting at the foot of the plaster
* To repair diaphragms with a reinforcement mesh being interlaid

The material must have the following characteristics:

EC Certification according to UNI EN 1504-3:2006

**Specification, Test method, Values**

**Specific weight:** > 1,9 kg/l

**Compressive strength after 28 days (UNI EN 196-1):** > 40.2 MPa

**Flexural strength after 1 day (UNI EN 196-1):** > 2.5 N/mm²

**after 7 days (UNI EN 196-1):** > 5 N/mm²

**after 28 days (UNI EN 196-1):** > 6.5 N/mm²

**Adhesion to the concrete (UNI EN 1542):** 2.7 Mpa

**Compressive modulus of elasticity after 28 days (UNI EN 13412):**23.6 GPa

**Capillary absorption coefficient (UNI EN 13057):**0.43 kg\*m⁻²\*h⁻⁰·⁵

**Slipping resistance (UNI EN 13036-4):** Dry: Class II; Wet: Class III

**Specification, Certifying body, Test method, Certified performance**

**Impermeability in negative pressure (concrete structure Water/Concrete: 0.7), IMM SA (Switzerland), UNI EN 12390-8:** 7 Bar: no passage

**Radon diffusion coefficient, CZECH TECHNICAL UNIVERSITY IN PRAGUE, ISO/TS 11665-13:** 1.4 E-10 m²/s

as well as Bi Mortar Plaster Seal 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/)

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