

BI MORTAR ULTRA SEAL

Supply and installation of multi-purpose, three-component epoxy-cement levelling compound.

It creates a water and capillary rise impermeable coating with high mechanical and chemical performance, stabilising surfaces.

The product must be used for:

- Coating of cement-based surfaces with high residual moisture (maximum value 10%), even if not fully cured, particularly suitable as a barrier against rising damp
- Levelling and waterproof restoration also of uneven surfaces; when mixed with quartz sand, it increases the mechanical strength and applicable thickness
- Suitable for wet structures, pipes, tubs, pools, etc...

The material must have the following characteristics:

EC Certification according to EN 1504-2

Feature	Test method	Certified performance (**)	
<i>Bond strength</i>	UNI EN 1542	3.07 MPa	
<i>Capillary absorption</i>	UNI EN 1062-3	0.007 kg*m ⁻² *h ^{-0.5}	
<i>Water vapour permeability (equivalent thickness: Sd)</i>	UNI EN 7783-2	SD = 1.24 m	
<i>Reaction to fire</i>	UNI EN 13501-1	Class Bfl-s1	

Feature	Test method	Declared performance
<i>Specific weight</i>		> 1.70 kg/l
<i>Water impermeability</i>	UNI EN 14891 Met. A.7	150 kPa

Feature	Certifying body	Test method	Certified performance (**)
<i>Impermeability in negative pressure (concrete structure Water/Concrete: 0.7)</i>	IMM SA (Switzerland)	UNI EN 12390-8	8 Bar: no passage
<i>Radon diffusion coefficient</i>	CZECH TECHNICAL UNIVERSITY IN PRAGUE	ISO/TS 11665-13	1.4 E-10 m ² /s

as well as Bi Mortar Ultra 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.