

BI MORTAR ULTRA SEAL



PRODUCT DESCRIPTION

BI MORTAR ULTRA SEAL is a 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.



Pour component B (base) into a suitable container (minimum 14 litres) and add component A (reagent), stirring with a mixer at low speed until completely homogenised.

Next, slowly add component C (powder), keeping the mixer moving, until a homogeneous, lump-free mixture is obtained.

Once the three components have been thoroughly mixed, depending on the desired degree of



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PHYSICAL AND TECHNICAL SPECIFICATIONS	
WARNINGS - IMPORTANT NOTES	Do not apply the product on wet surfaces. Avoid direct exposure to the sun before application. After mixing, the product must be strictly used within the specified service life; beyond this limit, it cannot be used even if it has an adequate viscosity. Do not add water to the mix during application if the product loses workability. High temperatures in the room and on the surface reduce the product's pot life. Low ambient temperatures and/or very humid air prolong the product's drying and curing time. The preparation and installation data refer to normal environmental conditions (temperature +20°C; relative humidity 60%). Protect from exposure to UV radiation. Clean tools with water while the product is still fresh.
PACKAGING AND STORAGE	The product is supplied in 20 kg packages: Component A (reagent) 2.2 kg Component B (base) 8.2 kg Component C (powder) 9.6 kg The product must be stored in a dry place without being exposed to frost and heat (at a temperature between +10°C and +30°C) and direct exposure to the sun before being applied. Under these conditions it has a shelf life of 12 months.
CONSUMPTION AND YIELD	Product A+B+C: approx. 1.5 kg/m ² per millimetre thickness depending on the porosity of the substrate.
	components be strictly adhered to. Manual mixing of the product is not recommended. Application The mixed product should be applied evenly in two or more crossed coats by brush, spatula or VOLTECO ROLLER, with an interval between them of at least 4-6 hours. The number of coats varies depending on the type of tool used and its dilution with water in order to achieve a minimum thickness of 1 mm. On particularly absorbent substrates, apply a first pore-tightening coat. It will be possible to proceed with subsequent coats as soon as the surface is dry to the touch. Protect it from rain for at least 12 hours. Once the application is complete, wait at least 24 hours before proceeding with further processing.
	workability and the tool to be used, the mixture can be diluted with water, up to a maximum of 10% by weight (equal to a maximum of 2 litres of water). To increase the mechanical strength and improve the application thickness, quartz sand with a grain size of 0.1-0.6 mm can be added after mixing, up to a maximum of 30% by weight. The sand must be poured in slowly, with the mixer in motion, until thoroughly mixed. When preparing small quantities of product, it is recommended that the weight ratio between the three

Specification	Values
Appearance	white powder - white liquids
Mixture consistency	viscous fluid
Application temperature	from +10°C to +30°C
Workability time at +20 °C	35-40'
Maximum aggregate size	0.7 mm
Mixture ratio	16 parts of component A 60 parts of component B 70 parts of component C

Feature	Test method	Declared performance	Certified performance (**)
Specific weight		> 1.70 kg/l	
Bond strength	UNI EN 1542	≥ 1 MPa	3.07 MPa
Capillary absorption	UNI EN 1062-3	< 0.1 kg*m ^{-2*} h ^{-0.5}	0.007 kg*m ⁻² *h ^{-0,5}
Water vapour permeability (equivalent thickness: Sd)	UNI EN 7783-2	-	SD = 1.24 m





WATERPROOF MORTARS - RAPID-SETTING MORTARS

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Feature	Test method	Declared	performance	Certified performance (**)
Reaction to fire	UNI EN 13501-1	-		Class Bfl-s1
Feature	Test method		Declared performance	e
Water impermeabiity	UNI EN 14891 Met. A.7		150 kPa	
Feature	Test method		Certified performanc	e (**)
Impermeability in negative pressure (concrete structure Water/Concrete: 0.7)	UNI EN 12390-8	8 Bar: no passage		
The quoted data are obtained in a laboratory at +20°C and 60% RH.				

SAFETY

Refer to the related Safety Data Sheet.



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