



X-RAPID BIANCO

PRODUCT DESCRIPTION

X-RAPID BIANCO is a semi rapid-setting and controlled shrinkage waterproof cement-based levelling compound.



PRODUCT APPLICATION

- Reinforced concrete surfaces and facades
- To level and finish surfaces such as balconies, parapets, prefabricated panels, etc
- To level waterproofed surfaces with PLASTIVO and/or AQUASCUD

ADVANTAGES

- High impermeability
- Simple application and quick curing times
- Easy workability
- Good surface finish thanks to its fine grain size
- Great potential for repair-work and restoration

PREPARATION AND APPLICATION **Preparing the surfaces**

In the presence of mould, algae and fungi, thoroughly high-pressure clean the surfaces to remove any micro-organisms, wait for them to dry and apply an undiluted coat of PROCLEAN disinfectant treatment (see relative data sheet).

Perfect adhesion of X-RAPID to the surface, which is absolutely necessary to ensure repair resistance, depends on the quality of the surface preparation on which the product is to be applied.

Perform an adhesion test on painted surfaces.

Remove any loose parts (fouling, bleeding, etc.) and clean all traces of dust, dirt, paint, form oil and any other material that could compromise the adhesion of X-RAPID; restore missing parts of the surface by applying special Volteco repair mortars.

If existing surfaces need to strengthen apply PROFIX 30 (see related technical data sheet).

Once the curing process is complete, soak the surfaces with water, keeping them damp from when X-RAPID is applied, which must not be done with surface water (this must be removed with a sponge or compressed air).

Preparing the mixture

X-RAPID is ready for use; pour the mixing water into a container (approx. 3 l per bag equivalent to 20% in weight) and slowly add the powder, mixing it with a drill-mixer for about 3 minutes on high speed, until a smooth mixture is obtained.

Application

Apply X-RAPID in layers not exceeding 1÷2 mm per coat, using a trowel or a flat spatula; wait at least 20 minutes between one layer and another when thicker layers are applied.





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When applying the product, it is possible to insert alkali-resistant fibreglass mesh, which must be applied between two coats of the product.

Wait at least 20 minutes between one layer and the next.

The product can also be applied with a pneumatic pump or plastering machine with levelling wand.

Finishing

A sponge float can be used for the X-RAPID finish, approx. 15-20 minutes (at 20°C) after product application; the finished surface will be very similar to a smooth fine-grain finish.

Following the float finish, and in any case not before a minimum of 24 hours after product application, X-RAPID can be finished with a suitable finishing product/system.



References available at www.volteco.com

CONSUMPTION AND YIELD

X-RAPID: yields approximately 10 l of mortar.

Consumption is equal to 1.4 kg/m² per millimetre of applied thickness.

PACKAGING AND STORAGE

X-RAPID is packed in 15 kg bags.

The product must be stored in a dry, cool place.

Do not expose the product to the sun before applying.

WARNINGS - IMPORTANT NOTES

X-RAPID must be used within 40 minutes after mixing.

In the presence of a high temperature (>25°C) or wind, the mixture pot life will decrease significantly.

Applying the product on very hot surfaces that are in direct sunlight accelerates the curing times.

In the presence of a high temperature or wind, keep the surface damp so as to guarantee a proper curing process.

It is recommended to try the product on a test area for such applications to verify the time required for the job.

Development of mechanical strength is slower in a temperature range of 5-10°C.

Do not add water to extend the pot life.

Do not apply the product at temperatures below +5°C.

PHYSICAL AND TECHNICAL SPECIFICATIONS

Specification	Values			
Appearance	white powder			
Pot life at +20 °C	40'			
Specific weight	> 1.7 kg/l			
Specification	Test method	Performance requirements UNI EN 1504-2	Declared performance (*)	Certified performance (**)
Compression strength	UNI EN 12190	None	after 1 g > 4 N/mm ² after 7 days > 15 N/mm ² after 28 days > 21 N/mm ²	None
Bond strength	UNI EN 1542	≥ 0.8 MPa	> 1.0 MPa	1.85 MPa
Capillary absorption	UNI EN 1062-3	< 0.1 kg*m ⁻² *h ^{-0.5}	< 0.1 kg*m ⁻² *h ^{-0.5}	0.03 kg*m ⁻² *h ^{-0.5}
Water vapour permeability (equivalent thickness: Sd)	UNI EN 7783-2	Class I: Sd ≤ 5 m	Class I: Sd ≤ 5 m	Sd = 0.2 m
Reaction to fire	UNI EN 13501-1	Classification	-	A2-s1, d0

The quoted data are obtained in a laboratory at +20°C and 60% RH.

* Performance thresholds guaranteed by VOLTECO

** Performance values certified by accredited third parties



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SAFETY

This is a non-toxic alkaline product.
It is recommended to use a mask and gloves while working.
Accidental contact with eyes, rinse thoroughly with water and seek medical advice.

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13 0015-CPR-2017/04/05 EN 1504-2:2005 1370-CPR-1299 X-RAPID BIANCO Protection systems of the concrete surface. Moisture content control (MC) and increased resistivity (IR) coating	
Reaction to fire: Class A2-s1,d0 Water vapour permeability: Class I Capillary absorption and permeability to water: $< 0.1 \text{ kg} \cdot \text{m}^{-2} \cdot \text{h}^{-0.5}$ Adhesion: $\geq 1 \text{ N/mm}^2$ Thermal compatibility: • Part 1: Un/freezing cycles: $\geq 1 \text{ N/mm}^2$ • Part 2: Thunderstorm cycles (thermal shock): NPD • Part 3: Thermal cycles without immersion in de-icing salt: NPD Resistance to cracking (method A): NPD Performance after exposure to the action of artificial atmospheric agents: NPD Methods of conditioning before testing (7 days at 70°C): NPD Linear shrinkage: NPD Coefficient of thermal expansion: NPD Cross cut: NPD Slip resistance: NPD Antistatic behavior: NPD Adhesion on wet concrete: NPD Hazardous substances: See SDS	

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