



WHITE PLASTER FOR THE RESTORATION OF DAMP MASONRY, WITH MARMORINO EFFECT, FOR INTERIORS AND EXTERIORS.

## PRODUCT DESCRIPTION

Macro Fin is a one-component, pre-blended, normal-hardening, coarse-grained, water-repellent skimming mortar available in grey or white, based on cementitious binders, selected graded aggregates, admixtures and synthetic powder polymers. Due to its special composition, the mortar obtained by mixing with water is easy to apply with a flat metal trowel and finished with a sponge float. Once cured it has a high bonding strength and can be applied at a minimum of 20 mm.

## FIELD OF APPLICATION

Macro Fin is used as a renovation undercoat for damp walls to promote the adhesion of the renovation plaster to the wall, by enhancing the anti-saline action of the latter.

## SUITABLE SUBSTRATES

- Concrete
- Cement Mortar
- Bricks.

## LIMITATIONS

- Do not use for finishing thinner than 20 mm.
- Do not apply at temperatures below +5°C or above +35°C.
- Do not add cement, lime, gypsum or aggregates.
- Do not use directly on gypsum or anhydrite surfaces.
- Do not apply on dirty or crumbling surfaces.
- Do not use on windy days or when the surfaces are subject to direct sun light.
- Do not apply on dehumidified renders.
- Do not apply over products containing solvents.

## APPLICATION PROCEDURE

### A) Preparation of the substrate

Substrates must be solid, free of dust, loose particles, paint, wax, oil, rust, traces of gypsum or other substances that might interfere with bonding. Insufficiently solid



absorbent surfaces must be removed or, where possible, repaired. Cracks or crazing in cementitious substrates should be repaired with Epoinject. Dusty or particularly absorbent concrete surfaces must be treated with primer to prevent possible de-bonding and render the substrate uniformly absorbent. Existing floors, e.g. in ceramic tiles or natural stone, must be thoroughly cleaned and any oil or grease removed. Then apply a coat of DCI Grip Primer.

### ***B) Preparing the product***

Using an agitator, pour a 25-kg bag of Macro Fin into a receptacle containing 6.5-7.0 liters of water, mixing continuously at low speed until a homogeneous lump-free paste is obtained. Larger amounts can be prepared in a mortar mixer. Let the paste sit for a few minutes and then mix again briefly. The paste is then ready to apply. The mix is workable for at least 4 hours.

### ***C) Applying the product***

Apply the compound to a maximum of 3 mm thick with a flat metal trowel on the surface. Porous substrates, such as renders or concrete, must be dampened with water beforehand. The surface finishing can be carried out either with a flat metal trowel or with a sponge float several minutes after its application. During hot or windy weather, or in particularly hot areas, spray water on the surface of the smoothing compound when it starts to set and over the next few days when the mortar has completely hardened, to avoid quick drying and hygrometric shrinkage which may cause cracks to form. No particular precautions need to be taken at temperatures around +20°C. At high or low temperatures or with strong ventilation, the normal precautions for the use need to be taken. The product may only be used for decorating internal or external surfaces if they are partially covered and protected.

## **COVERAGE / CONSUMPTION**

The consumption is approximately 12 kg/m<sup>2</sup> per 1cm thickness.

## **PACKAGING**

Macro Fin is supplied in:  
– 25 kg paper bags.

## **SHELF LIFE-STORAGE**

Original sealed bags of this product are guaranteed to be of first quality for 12 months if stored off of the ground in a dry area. High humidity will reduce the shelf life of the bagged product.

## **SAFETY INSTRUCTION**

MACRO FIN is irritant; it contains cement that when in contact with sweat or other body fluid causes irritant alkaline reaction and allergic reactions to those predisposed. It can cause damage to eyes. In case of contact with eyes or skin wash immediately with plenty of water and seek medical attention. It is recommended to use protective gloves and goggles. For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet. **PRODUCT FOR PROFESSIONAL USE.**

## TECHNICAL DATA

Product identity	
Consistency	powder
Color	grey or white
Maximum size of aggregate (mm)	3.0
Bulk density (kg/m <sup>3</sup> )	1,300
Dry solids content (%)	100
Application data (at +23°C and 50% R.H.)	
Color of mix	grey or white
Mixing ratio	26-28 % of water
Consistency of mix	thixotropic-trowellable
Density of the mix (kg/m <sup>3</sup> )	1,600
Application temperature range	from +5°C to +35°C
Pot life of mix	approx. 1 hour
Minimum applicable thickness (mm)	20
Waiting time before laying ceramic coating	4 days
Final performances	
Compressive strength (MPa)	17
Flexural strength (N/mm <sup>2</sup> )	5
Bond strength on concrete (MPa)	≥ 1.0 Failure mode (FP) = B
Impermeability expressed as coefficient of permeability to free water (kg/m <sup>2</sup> .h )	W < 0.1 Class III
Permeability to water vapour - equivalent air thickness S - (m)	S = 0.1 Class I
Compressive strength after 28 days (MPa)	CS IV (≥ 6)
Capillary action water absorption [kg/(m <sup>2</sup> .min )]	Category W 1
Coefficient of permeability to water vapour (μ)	Declared value ≤ 15
Thermal conductivity (λ ) (W/m.K)	Chart value 0.83 (P = 50%)
Reaction to fire	A1

### WARNING

Danger. Contains Portland Cement: Chromium VI < 2 ppm within the validity period of the product. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation. P261 Avoid breathing dust. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302 + P352 IF IN CONTACT WITH YOUR SKIN: Wash with plenty of water/... P305 + P351 + P338 IF IN CONTACT WITH YOUR EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor/...



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