



LIME-CEMENT SKIMMING MORTAR WITH A FINE, NATURAL FINISH FOR RENDER.

### PRODUCT DESCRIPTION

Tecnofix F is a one-component, pre-blended, normal-hardening, coarse-grained, skimming mortar available in grey or white, based on cement-lime 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 maximum of 3 mm.

### FIELD OF APPLICATION

- Natural finishes on “fresh” or “cured” lime-mortar or pre-blended render on internal and external surfaces, before applying colored paint or coating.
- Natural finishes on “fresh” or hardened pre-blended or lime-mortar render on walls and ceilings.
- Skimming layers with a coarse, natural finish on “fresh” or “cured” internal and external rough traditional or pre-blended render.

### SUITABLE SUBSTRATES

- Concrete
- Cement Mortar
- Anhydrite surfaces
- Ceramic Tile and Stone primed with DCI Grip Primer.

### LIMITATIONS

- Do not use for finishing thicknesses greater than 3 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 apply on painted surfaces or surfaces covered with plastic coatings.
- Do not use on windy days or when the surfaces are subject to direct sun light.
- Do not for skimming or ceramic or wooden floors.
- Do not apply on dehumidified renders.



## **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 Tecnofix F 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 1.2kg/m<sup>2</sup> at 1 mm thickness.

## **PACKAGING**

Tecnofix F 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**

TECNOFIX F 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)	0.4
Bulk density (kg/m <sup>3</sup> )	1.200
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
Waiting time before finishing with float:	30 min
Maximum applicable thickness (mm):	3
M	4 days
Final performances	
Compressive strength (MPa)	5.5 CSIII
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
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 0.42 (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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