



CEMENT-FREE, PURE NATURAL HYDRAULIC LIME SKIM COAT APPLIED IN LAYERS 3 TO 5 MM THICK FOR RESTORING AND LEVELING OFF SUBSTRATES, RENDER AND COATINGS.



## PRODUCT DESCRIPTION

Ecoplus Intonaco is a one-component, pre-blended, normal-hardening, coarse-grained, skimming mortar available in white, based on natural hydrated lime, 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 5 mm.

## FIELD OF APPLICATION

- Smoothing and leveling layers with a textured finish on macro-porous, de-humidifying render when renovating masonry of old buildings damaged by capillary rising damp, including buildings of historical and artistic interest.
- Smoothing and leveling layers with a textured finish on breathable and “structural” base render.
- Smoothing and leveling layers with a textured finish on lime-based render damaged by atmospheric agents, surrounding environmental conditions or ageing.
- Textured finish on internal/external ma-

cro-porous, de-humidifying render with a rough finish.

- Textured finish on new render or old lime-based render on stone, brick, tuff and mixed masonry, including on old buildings of historical and artistic interest and listed buildings.
- Textured finish on breathable and “structural” lime-based 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 5 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 sur-

- faces 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**

The surfaces to be smoothed and leveled must be clean, sound and free of dust and crumbling areas. It is also recommended to score the surface of new render with a metal-tipped tool to remove any surface laitance and make it easier for the smoothing and leveling mortar to adhere and prevent the formation of air bubbles. Wet the surface of the render before applying smoothing and leveling mortar.

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

Using an agitator, pour a 25-kg bag of Ecoplus Intonaco 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 tem-

peratures 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 1.5kg/m<sup>2</sup> at 1 mm thickness.

## **PACKAGING**

Ecoplus Intonaco 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**

ECOPLUS INTONACO is not considered dangerous according to the current regulations regarding the classification of mixtures. However, it is recommended to wear protective clothes, gloves, and goggles and take the usual precautions for handling chemicals. For complete information about the safe use of our product, please refer to the latest version of the Safety Data Sheet. **PRODUCT FOR PROFESSIONAL USE.**

# TECHNICAL DATA

Product identity	
Consistency	powder
Color	grey or white
Maximum size of aggregate (mm)	1.5
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
Waiting time before laying ceramic coating	4 days
Final performances	
Compressive strength (MPa)	2 CSIII
Bond strength on concrete (MPa)	≥ 0.5 failure pattern (FP) = B
Capillary action water absorption [kg/(m <sup>2</sup> ·min )]	Category W 0
Coefficient of permeability to water vapour (μ)	Declared value ≤ 15
Thermal conductivity (λ) (W/m·K)	Chart value 0.40 (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/...



+1 55 12 258 428  
 info@dc-industries.us  
 www.dc-industries.us