



BASIC FILLING MATERIAL FOR LIGHT WEIGHT BRICK OR BLOCK WALLS FOR INDOOR AND OUTDOOR ENVIRONMENTS.



## PRODUCT DESCRIPTION

AC Mortar is a light gray single-component premixed mortar based on hydrated lime, hydraulic binders, selected sands and special powder additives. Thanks to its particular composition, the plaster obtained by mixing AC Mortar with water has a good quality adhesion and is particularly suitable for application with plastering machine on almost all substrates. AC Mortar is classified according to the European standard EN 998-2.

## FIELD OF APPLICATION

Base plaster on mixed masonry, new brick, concrete blocks and reinforced concrete cast on site, inside and outside building walls. Realization of lime-cement based plasters suitable for both interiors and exteriors of buildings for residential and tertiary use, commercial and industrial, to be carried out by hand or with a plastering machine.

## LIMITATIONS

- Do not use as a smoothing compound
- Do not apply at temperatures below + 5 ° C and above + 35 ° C
- Do not apply on absorbent substrates and at high temperatures
- Do not add cement, lime, additives or aggregates
- Do not apply on painted substrates.
- Do not apply on insulating blocks, lightweight concrete or cellular concrete blocks
- Do not apply as a dehumidifying plaster on walls subject to rising damp
- Do not use on days with strong wind and when surfaces are subject to solar radiation direct.

## APPLICATION PROCEDURE

### A) Preparation of the substrate

The support where the material will be applied must be dry, clean, uniform, absorbent, and stable. There should be no external residues, such as: oils, varnishes, etc. It is not allowed to apply the product on a frozen support (frozen bricks). When the supports, bricks are dried and characterized by a high water-suction quality, it is suggested to spray the support with

water before applying the product.

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

Mix AC Mortar in a cement mixer or in the hopper of a screw-type pump with a separate mixer, such as a Putzmeister S 5 or a similar machine. Small amounts of the product may be prepared using an electric drill at low speed with a mixing attachment. After adding around 5 liters of clean water for every 25 kg bag of product in a cement mixer or in the mixing unit of a screw-type pump, slowly add the powdered mortar in a constant flow. Mix for 3 to 4 minutes and then make sure the mix is well blended and even and that there are no lumps. Make sure there are no traces of powdered mortar stuck to the sides or bottom of the mixer.

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

Apply a layer of mortar from 10 to 20 m thick with a trowel or putty knife; no formwork is required. As soon as the mortar starts to set, tamp the surface with a sponge float. The waiting time required before carrying out this operation depends on surrounding weather conditions.

## **COVERAGE / CONSUMPTION**

The consumption is approximately 1.8kg/m<sup>2</sup> at 1 mm thickness.

## **PACKAGING**

AC Mortar 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**

AC Mortar 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
Maximum size of aggregate (mm)	2.5
Bulk density (kg/m <sup>3</sup> )	1,500
Chloride content (EN 1015-17) (%)	< 0.05
Application data (at +23°C and 50% R.H.)	
Color of mix	fluid - free-flowing
Bulk density of wet mortar (EN 1015-6) (kg/m <sup>3</sup> )	1,800
Porosity of wet mortar (EN 1015-7) (%)	25
Application temperature range	from +5°C to +35°C
Workability time of wet mortar (EN 1015-9)	approx. 120 mins
Final performances	
Compressive strength (MPa)	5.5
Bond strength on concrete according to EN 1766 (MPa)	≥ 0.5
Capillary absorption (kg/m <sup>2</sup> .h )	Category W0
Thermal conductivity (λ ) (W/m.K)	0.3
Coefficient of permeability to water vapour (m)	10
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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