



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



PRODUCT DESCRIPTION

Plaster Mortar M10 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 Plaster Mortar M10 with water has a good quality adhesion and is particularly suitable for application with plastering machine on almost all substrates. Plaster Mortar M10 is classified according to the European standard EN 998-1 as GP "General purpose mortar for plasters internal / external" category CS III.

FIELD OF APPLICATION

Base plaster on mixed masonry, new brick, concrete blocks and reinforced concrete cast on site, inside and outside, before carrying out the decoration with paints or thin coatings. 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

Plaster Mortar M10 can be applied on concrete substrates, existing or new masonry, brick, tuff and mixed as long as they are clean and consistent, free from crumbly parts, dust and dirt. Saturate with water the support and before proceeding with the application of Plaster Mortar M10, wait for the excess water to evaporate, so that the support is saturated but with a dry surface To facilitate the elimination

of free water it can be compressed air is used if necessary. Concrete made by casting within formwork, must be clean and free from form release oils and greases. The latter they can be removed from the substrate by sandblasting or pressure washing. Any gaps or discontinuities in the substrate on which the plaster must be applied in uniform thickness they must be previously filled using Plaster Mortar M10. If the support is made of concrete, brick or old workmanship or mixed masonry, it is advisable to apply a first layer of Beton Contact, in order to uniform the absorption of the substrate and improve the adhesion of the plaster. It is also advisable to place vertical guides on the walls to be plastered, in order to define their flatness.

B) Preparing the product

Mix Plaster Mortar M10 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 mm 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/m² at 1 mm thickness.

PACKAGING

Plaster Mortar M10 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

Plaster Mortar M10 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)	1.5
Bulk density (kg/m ³)	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 ³)	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)	2.5
Bond strength on concrete according to EN 1766 (MPa)	≥ 0.3
Capillary absorption (kg/m ² .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/...



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