



BRIGLIADORI
FORNACE CALCE



EDILIZIA, RESTAURO & COSTRUZIONI

READY TO USE PLASTER BM5/M



Product code 65/M

Masonry Mortar (M10) with Guaranteed Performance for General Purposes

DESCRIPTION AND USES

READY TO USE PLASTER BM5/M is a ready to use mortar based on **Natural Hydraulic Lime NHL5** of our production (certified according to EN 459-1), micronised pozzolana that gives it high mechanical strength, and carbonate and siliceous sands. It is suitable for reinforced plastering on unbonded masonry in need of structural reinforcement, as well as for vaulted ceiling rings, etc.

The balanced lime-pozzolan action, ensures over time, especially in the presence of humidity, a progressive increase in mechanical strength without creating internal stresses, adapting structurally and chemically to old constructions, while at the same time offering good resistance to salt attack in generally.

TECHNICAL PROPERTIES

Colour	: light brown
Grain size range	: 0-3 mm
Yield	: 16 kg/sqm/cm thickness
Mixing water	: approx.18-20%
Compressive strength (class)	: M10
Capillary absorption	: < 0,80 kg/m ² ·min ^{0,5}
Water vapour diffusion coefficient (μ)	: >15 < 35
Thermal conductivity	: λ =0,80 W/m·K
Adhesion (N/mm ²)	: ≥ 0,15
Bulk density	: 1800 kg/m ³
pH	: > 12
Chloride content	: < 0,1%
Min. thickness	: 2 cm
Max. thickness	: 8 cm thickness applied in multiple coats
Concrete mixer time	: 4-5 minutes
Mixture pot life	: 30 minutes
Fire reaction (class)	: A1
Packaging	: 25 kg bag

APPLICATION

The support must be rough and clean, free of crumbling parts, plaster, paint or anything else that may affect adhesion. In the case of substrates that are greedy for water such as bricks, tuff, etc., wet the surfaces and wait for the surface water film to disappear. Proceed with the application of a first layer of approximately 5 mm to even out the absorption of the masonry and improve adhesion. Allow it to dry for at least one day before proceeding with the next layers if the total thickness of the application exceeds 3 cm.

Then proceed to apply the mortar in successive layers 1,5 -2 cm thick, taking care to apply the next layer as soon as the previous one has started to set (the start of setting depends on the temperature) to prevent the mortar from slipping. Wet the mortar the day after application and repeat the operation on the following days, especially on hot and windy days in order to avoid the rapid evaporation of water that could cause surface cracks due to shrinkage during the plastic phase. Avoid application at temperatures below +5°C and no higher than +35°C, in strong wind and beating sun.

The final part of **READY TO USE PLASTER BM5/M** must be finished with a sponge trowel.

For a fine finishing wait at least 3 weeks for the application of FINAL FINISHING BM4 or similar.

For a fine colored finishing wait 4 weeks. If necessary, insert an alkali-resistant 160 g/m² glass fibre mesh in the finish.

CONDITIONS FOR A SAFE STORAGE

Keep covered and dry. Protect against moisture. Dispose of according to local regulations.

Storage: 12 months in unopened original packaging in a covered and dry place. Product complies with Annex II of REACH - Regulation 2015/830. Refer to Safety Data Sheet (SDS) for information on possible hazards. Product for professional use.

The use of the product must be based on the applicator's own research and evaluation.

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