



**BRIGLIADORI**  
**FORNACE CALCE**



EDILIZIA, RESTAURO & COSTRUZIONI

## READY TO USE PLASTER BM9

CE 13  
EN 998-1

**Product code 99**

**Mortar plaster for internal and external for general purposes (GP)**

### DESCRIPTION AND USES

**READY TO USE PLASTER BM9** is a ready to use mortar based on **Natural Hydraulic Lime NHL5** of our production (certified according to EN 459-1), micronised pozzolan that gives it high mechanical strength, and carbonate and siliceous sands and a minimum rate of white cement 52.5 to anticipate the initial drying.

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                                                                                               |
| Mixing water                           | : approx. 20% = 5 lt for bag                                                                           |
| Theoretical yield                      | : 17 kg/m <sup>2</sup> /cm                                                                             |
| Min. thickness                         | : 2 cm                                                                                                 |
| Max thickness                          | : 8 cm                                                                                                 |
| Bulk density                           | : 2 kg/dm <sup>3</sup>                                                                                 |
| Water vapour diffusion coefficient (μ) | : μ < 25                                                                                               |
| Concrete mixer time                    | : 4-5 minutes                                                                                          |
| Mixture pot life                       | : 30 minutes                                                                                           |
| Compressive strength (class)           | : CS IV at 28 days 15 N/mm <sup>2</sup> at 60 days 16 N/mm <sup>2</sup> at 1 year 19 N/mm <sup>2</sup> |
| Fire reaction (class)                  | : A1                                                                                                   |
| Thermal conductivity (λ)               | : 0,70 W/m·K                                                                                           |
| Adhesion                               | : ≥ 0,5 N/mm <sup>2</sup> FP:B                                                                         |
| Capillary absorption (class)           | : W0                                                                                                   |
| pH                                     | : > 12                                                                                                 |
| 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 BM9** 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/m<sup>2</sup> 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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