



### 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 made of **Natural Hydraulic Lime NHL 5** of our production (certified according to EN 459-1), micronized pozzolana which gives it since the first months high mechanical strength, carbonate and silica sands and a minimum rate of white cement 52.5 to anticipate the initial drying.

It is specially formulated for reinforced plaster on unrelated masonry needing structural reinforcement, as well as for vaults strengthening, etc ... It is available the version for plastering continuous machines PFT G4 and the version for manual application.

Although slowly, the balanced action pozzolana-lime ensures over time, especially in the presence of moisture, a progressive increase of mechanical resistance without creating strong internal strain, adapting structurally and chemically to the old buildings offering in the meantime a good resistance to the salts attack in general.

#### TECHNICAL PROPERTIES

Colour	: light brown
Aggregates size	: 0-4 mm
Mixing water	: about 20% = 5 lt for bag
Consumption	: 17 kg/m <sup>2</sup> /cm of thickness
Min. thickness	: 2 cm
Max thickness	: 8 cm
Mixed density	: 2 kg/dm <sup>3</sup>
Water vapour diffusion coefficient ( $\mu$ )	: $\mu < 25$
Concrete mixer time	: 4-5 minutes
Mixture pot life	: 30 minutes
Compression resistance	: 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 resistance (class)	: A1
Thermal conductivity	: $\lambda = 0.70$ W/m·K
Adherence	: $\geq 0,5$ N/mm <sup>2</sup> FP:B
Water absorption for capillarity (class)	: W0
pH	: > 12
Packaging	: 25 kg bag

#### APPLICATION

The surface must be rough, clean, solid, free of gypsum, paints or anything can affect the adherence. In the presence of absorbent surfaces as bricks, tuff etc .. wet the surfaces to rejection and wait the water drains. Apply a first coat of about 5 mm to uniform the masonry absorption and improve the adherence. Wait at least one day before the next coats application if the total thickness exceeds 3 cm.

It is recommended to apply the mortar in coats of 1.5-2 cm thickness and the next one as soon as the previous has started its drying (drying beginning depends on the temperature) in order to prevent the mortar slip.

Wet the mortar the day after the application and repeat even the following days, especially during hot and windy days to avoid the rapid evaporation of water that could cause surface cracks due to drying in the plastic phase.

Avoid application at temperatures below + 8°C and not above +30°C, in the presence with strong wind and direct sunlight.

**READY TO USE PLASTER BM9** in its last part 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.

Add eventually in the finishing an alkaline resistant glass network of 160 gr/m<sup>2</sup>.

#### CONDITIONS FOR A SAFE STORAGE

Store the product in a dry place and indoors. Avoid humidity. Waste treatment according to local law.

Storage: up to 12 months in its original and closed packaging in a dry place and indoors.

Product according to Annex II of REACH - Regulation 2015/830. For further and complete information about the safe use of our product please refer to the latest version of our Material Safety DataSheet. Product for professional use. The product use must be based on researches and evaluation of the worker.

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