



BRIGLIADORI

FORNACE CALCE

EDILIZIA, RESTAURO & COSTRUZIONI

DEHUMIDIFYING MORTAR BM36

CE 12
EN 998-1

Product code 36
Restoration mortar plaster for internal and external use (R)

DESCRIPTION AND USES

DEHUMIDIFYING MORTAR BM36 is a ready to use mortar made of **Natural Hydraulic Lime NHL5** of our production (certified according to EN 459-1), suitable for renovating old damp walls and basement rooms as long as they are free of water infiltration and adequately ventilated. It is ideal for work in buildings of historical interest, churches, old villas, farmhouses, etc.

TECHNICAL PROPERTIES

Colour	: light brown
Grain size range	: 0-3 mm
Mixing water	: approx. 18-20%
Theoretical yield	: approx. 14 kg/m ² /cm
pH	: > 12
Water vapour diffusion coefficient (μ)	: ≤ 15
Fire reaction (class)	: A1
Capillary water absorption	: $\geq 0,3$ kg/m ²
Thermal conductivity	: $\lambda \leq 0,4$ W/m·K
Compressive strength (class)	: CS II
Adhesion (N/mm ²)	: $\geq 0,3$ FP:B
Mixed density	: 1480 kg/m ³
Occluded air (hardened)	: > 30% approx.
Time for finishing	: min. 10 days
Time for painting	: min. 25 days
Water penetration after capillary water absorption test	: ≤ 5 mm
Packaging	: 25 kg bag

APPLICATION

Scrap and clean the wall up to about 0,80 - 1 mt **above the moisture level from all incoherent parts, oils, gypsum and anything else that may compromise adhesion.**

The night before the application wash the wall. It is important not to apply in the presence of water film. In the presence of high saline efflorescence, remove it mechanically with a sorghum brush.

Apply a covering anti-salt render with **Anti-salt Consolidating Mortar** for a thickness of at least 5 mm.

Within 48 hours from the application of the **Anti-salt Consolidating Mortar**, proceed with the application of the **DEHUMIDIFYING MORTAR BM36**.

The minimum application thickness must be at least 2 cm, to be applied in several layers.

Trowel without compressing with an H-shaped trowel.

In the presence of significant thicknesses or strongly inhomogeneous substrates, it becomes indispensable to intervene with a fiberglass mesh directly in the plaster or in the final finish.

Make the bands with the same products or place suitable listels to be removed in the final phase of application.

Mix approximately 4,5 litres of water per 25 kg bag in the concrete mixer, then the mortar and continue mixing for approximately 6 minutes max. Once mixed, the mortar should be used within 20-30 minutes max. If this period is exceeded, mix the mortar again in a concrete mixer or manually with the addition of a bit of water. For the application of coloured finishes, wait at least 25 days.

Do not apply on gypsum, weak or chalky substrates.

Avoid application in strong wind and direct sunlight and protect the treated surface from too rapid drying. Moisten for a few days on hot, dry days. Do not apply on frozen or thawing substrates or where there is a risk of frost in the next 24 hours.

Avoid application or take precautions at temperatures below +5°C or above +35°C.

Apply finishing products suitable for renovation.

Carefully follow the instructions in the sheet, especially the laying instructions, the preparation of the substrates, the amount of mixing water, the mixing time and the use of recommended finishing products.

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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