



BRIGLIADORI
FORNACE CALCE



EDILIZIA, RESTAURO & COSTRUZIONI

SPRAYABLE DEHUMIDIFYING MORTAR

CE 12
EN 998-1

Product code 56

Restoration mortar plaster for internal and external use (R)

DESCRIPTION AND USES

SPRAYABLE DEHUMIDIFYING MORTAR is a ready to use mortar made of **Natural Hydraulic Lime NHL 5** of our production (certified according to EN 459-1), specially formulated for the traditional plastering continuous machines type PFT G4 or G5C.

It is indicated for old humid masonry and underground rooms restoration, but only free of water infiltration and adequately airy.

Ideal for interventions on historical interest buildings, churches, old villas, farmsteads, etc...

TECHNICAL PROPERTIES

| | |
|---|--|
| Colour | : light brown |
| Aggregates size | : 0-1,3 mm |
| Mixing water | : about 21-22% |
| Consumption | : about 10-11 kg/m ² /cm of thickness |
| pH | : > 12 |
| Water vapour diffusion coefficient (μ) | : ≤ 15 |
| Fire resistance (class) | : A1 |
| Adherence (N/mm ²) | : $\geq 0,3$ FP:B |
| Water absorption for capillarity | : $\geq 0,3$ kg/m ² |
| Thermal conductivity | : $\lambda \leq 0,35$ W/m·K |
| Compression resistance (class) | : CS II |
| Bulk density | : 1300 kg/m ³ |
| Water penetration after absorption test for capillarity | : ≤ 5 mm |
| Occluded air (hardened) | : about > 40% |
| Max stop machine time | : 20 minutes |
| Pot life mixture | : 60 minutes |
| Time for finishing | : min. 10 days |
| Time for painting | : min. 25 days |
| Packaging | : 25 kg bag |

APPLICATION

Scrap and clean the wall up to about 0.80 to 1 mt above the humidity level from every detaching part, oils, gypsum or anything else that could affect the adherence. The night before the application wash the wall.

Do not apply with water film.

If there are many salts efflorescences remove them mechanically dry with a brush.

Apply a thick coat of our Anti-salt Consolidating Mortar at least 5 mm thickness manually or with a plastering machine (install the flowmeter at 550-600 then regulate it for a correct mortar fluidity).

Within 48 hours from Anti-salt Consolidating Mortar application apply SPRAYABLE DEHUMIDIFYING MORTAR with a plastering continuous machine type PFT G4 or G5C with full blade, output spout > 30 mm internal diameter and ideal lenght 20 mt linear (at least the first 15 mt linear must have 30 mm diameter).

Install the flowmeter at 290-330 to obtain a correct fluidity.

The minimum application thickness must be at least 2 cm to be made with more coats.

Level without compressing with H level.

With high thickness or strongly inhomogeneous surfaces use an insulation mesh directly into the plaster or in the final finishing.

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



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For a manual application mix in a concrete mixer for 7 minutes with about 4.5 liters of water per bag. Once mixed the mortar must be used within max. 20-30 minutes. After this period mix again the mortar in the concrete mixer or manually with a little of water.

For painting wait at least 20-30 days, depending on the environmental temperature.

Avoid application or take the necessary precautions with temperatures below +6°C or above +30°C.

Do not apply to frozen or defrosting or at frost risk during 24 hours after the application. Do not apply on gypsum, not solid or detaching surfaces.

Avoid or take precautions in case of strong wind and sun and protect the treated surface from too rapid drying. Moisten for some days with hot, dry weather.

Apply finishing products suitable for restoration.

Follow carefully these precautions specially application instructions, surfaces preparation, mixing water quantity, mixing time and use of recommended finishing products.

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 Data Sheet. Product for professional use. The product use must be based on researches and evaluation of the worker.

Date review January 2021