



**BRIGLIADORI**  
**FORNACE CALCE**



EDILIZIA, RESTAURO & COSTRUZIONI

## DEHUMIDIFYING MORTAR/F



**Product code 53/F**  
**Restoration mortar plaster for internal and external use (R)**

### DESCRIPTION AND USES

**DEHUMIDIFYING MORTAR/F** is a ready to use mortar based on **Natural Hydraulic Lime NHL5** of our production (certified according to EN 459-1), appropriate for **internal and external renovation plasters according to EN 998-1**. The product is suitable for old, damp masonry in buildings of historical interest, old villas, farmhouses, and basement rooms as long as they are not subject to water infiltration and are adequately ventilated.

### TECHNICAL PROPERTIES

Colour	: light brown
Grain size range	: 0-0,6 mm
Mixing water	: approx. 21-23%
Theoretical yield	: 11 kg/m <sup>2</sup> /cm approx.
pH	: > 12
Water vapour diffusion coefficient (μ)	: ≤ 15
Fire reaction (class)	: A1
Adhesion (N/mm <sup>2</sup> )	: ≥ 0,3 FP:B
Capillary water absorption	: ≥ 0,3 kg/m <sup>2</sup>
Thermal conductivity (λ)	: 0,35 W/m·K
Compressive strength (class)	: CS II
Mixed density	: 1280 kg/m <sup>3</sup>
Water penetration after capillary water absorption test	: ≤ 5 mm
Occluded air (hardened)	: > 40% approx.
Time for finishing	: min. 10 days
Time for painting	: min. 25 days
Packaging	: 20 kg bag

### APPLICATION

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

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

Wash the masonry the night before application. 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.

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

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

In the case of higher thicknesses, leave the surface rough and wait until the next day to complete the missing thickness. Trowel without compressing with an H-shaped trowel.

To establish the levels, in the case of traditional banding, do so exclusively with the **DEHUMIDIFYING MORTAR/F**.

In any case, the best result is obtained by using wooden or other profiles to be removed later in the final application phase.

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.

Mix approximately 4,2 - 4,6 litres of water per 20 kg bag in the concrete mixer, then the mortar and continue mixing for approximately 7 minutes max.



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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.

Moisten for a few days on hot, dry days.

Avoid application in strong wind and direct sunlight and protect the treated surface from too rapid drying.

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.

Due to its grain size and workability, **DEHUMIDIFYING MORTAR/F** can also be used as a finish. In this case it must be applied from the day after the plaster is made, thus forming a single layer with it.

For the application of coloured finishes, wait at least 25 days. Apply finishing products suitable for renovation.

Do not apply a trowel finish to the **DEHUMIDIFYING MORTAR/F**.

The mortar can also be applied with plastering machines equipped with the following accessories: mixer, D6-3 stator/rotor, 25x37 mm plastering hose, length metres 10/20 and spray lance.

Avoid direct contact with the floor by inserting an absorbent strip or leave a free space.

In the case of skirting board application, foresee the application of a strip of **READY TO USE MORTAR BM14** of the same height as the skirting board itself.

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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