



# BRIGLIADORI

## FORNACE CALCE



EDILIZIA, RESTAURO & COSTRUZIONI

### MOULDABLE MORTAR BM 50

CE 11  
EN 998-1

**Product code 50**  
**Mortar plaster for internal and external for general purposes (GP)**

#### DESCRIPTION AND USES

**MOULDABLE MORTAR BM 50** is a ready to use reinforced non-shrinking mortar, low elastic modulus, based on **Natural Hydraulic Lime NHL5** of our production (certified according to EN 459-1), selected aggregates and specific reinforcing fibers. Its special composition makes it ideal for the reconstruction of cornices, edges, capitals, mouldings, ornamental motifs, architectural details and in the restoration of historic monumental buildings.

#### TECHNICAL PROPERTIES

Colour	: light brown
Grain size range	: 0-1,2 mm
Mixing water	: approx. 22%
Theoretical yield	: 16-17 kg/m <sup>2</sup> /cm
Drill mixing time	: about 3 minutes (in order to obtain an homogeneous mixture)
Compressive strength (class)	: CS IV
Water vapour diffusion coefficient (μ)	: >15<35
Thermal conductivity (λ)	: 0,83 W/m·K
pH	: > 12
Capillary absorption (class)	: W0
Fire reaction (class)	: A1
Adhesion	: ≥ 0,8 N/mm <sup>2</sup> FP:B
Bulk density	: 1,87 kg/dm <sup>3</sup>
Hardened bulk density	: 1,70 kg/dm <sup>3</sup>
Packaging	: 25 kg bag

#### APPLICATION

The substrates to be restored must be solid, clean, free of loose or detaching parts and carefully prepared by brushing and/or sandblasting and/or washing.

Do not apply **MOULDABLE MORTAR BM50** on gypsum substrates (any small parts present must be treated with special Primer BM 12), painted or containing oils and release agents.

Wet the surface until it refuses water, wait until the surface water runs off and apply a first layer.

Mix the mortar to be used within 15-20 minutes with approx. 22% clean water with a drill mixer at low speed until a homogeneous, lump-free mortar is obtained. Apply and shape it within 40-60 minutes depending on the ambient temperature.

The product must be applied manually by trowel in successive layers using the 'fresh on fresh' technique until the desired thickness is obtained.

Minimum application thickness: 0.7- 1 cm

Maximum thickness per layer: 4 cm

For higher thicknesses provide suitable galvanised iron, steel or alkali-resistant glass fibre reinforcement mesh.

Avoid application at temperatures below +5°C and no higher than +35°C.

#### 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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