



BRIGLIADORI
FORNACE CALCE



EDILIZIA, RESTAURO & COSTRUZIONI

MASONRY MORTAR BM83

CE 12
EN 998-1

Product code 83

Prescribed composition mortar plaster for general purposes (G) for internal and external use

DESCRIPTION AND USES

MASONRY MORTAR BM83 (class M10) is a ready to use mortar based on **Natural Hydraulic Lime NHL5** of our production (certified according to EN 459-1), micronised pozzolana that gives it high mechanical strength, and carbonate and siliceous sands.

It is suitable for bedding and tuff brick and stone masonry and mixed masonry indoors and outdoors, restoration of sub-foundations, masonry against the ground, sewing of external masonry exposed to runoff and weathering, reconstruction in historical restoration, etc.

TECHNICAL PROPERTIES

Colour	: light brown
Grain size range	: 0-3 mm
Bulk density	: 1850 kg/m ³
Compressive strength at 28 days	: M10 class
Compressive strength at 6 months	: > 15 N/mm ²
Flexural strength at 28 days	: > 0,4 N/mm ²
Capillary absorption	: > 0,3 kg/m ² ·min ^{0,5}
Water vapour diffusion coefficient (μ)	: >15<35
Thermal conductivity (λ)	: 0,95 W/m·K
Mixing water	: approx. 18%
Yield	: 1600 kg/m ³
Concrete mixer time	: 5 minutes
pH	: > 12
Start drying time	: < 60 minutes
End drying time	: 4 hours
Working time	: 30 minutes
Fire resistance (class)	: A1
Bulk components ratio	: Natural Hydraulic Lime NHL5 30% Aggregates 55% Micronized Pozzalana 15%
Packaging	: 25 kg bag

APPLICATION

The masonry, blocks or bricks to be bedded must be clean, free of dirt, oil, grease or anything else that may impair adhesion, and adequately moistened before the mortar is laid.

Mix the mortar in a concrete mixer for approx. 5 minutes with 4, 5 - 5 litres of clean water per 25 kg bag until a homogeneous, lump-free mixture is obtained.

The mortar is quick to dry, so once mixed, it should be used within 30 minutes.

Do not apply mortar layers over 20 mm or under 5 mm thick.

Do not apply on frozen or defrosting substrates. It is important not to apply the mortar in strong winds and high temperatures. In such cases, take the necessary precautions: protect with canvas and moisten the substrates even in the days following application. The product must be applied when the ambient is above +5°C and below +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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