



BRIGLIADORI

FORNACE CALCE

EDILIZIA, RESTAURO & COSTRUZIONI

MASONRY MORTAR BM83



Product code 83

Masonry Mortar (M10) with Guaranteed Performance for General Purposes

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
Yield	: 1600 kg/m ³
Mixing water	: approx. 18%
Compressive strength (class)	: M10
Flexural strength	: > 0,4 N/mm ²
Capillary absorption	: < 0,5 kg/m ² ·min ^{0,5}
Water vapour diffusion coefficient (μ)	: >15<35
Thermal conductivity	: λ=0,95 W/m·K
Adhesion (N/mm ²)	: ≥ 0,15
Bulk density	: 1850 kg/ m ³
pH	: > 12
Chloride content	: < 0,1%
Concrete mixer time	: 5 minutes
Start drying time	: < 60 minutes
End drying time	: 4 hours
Working time	: 30 minutes
Fire resistance (class)	: A1
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.

Date review March 2025