



BRIGLIADORI
FORNACE CALCE



EDILIZIA, RESTAURO & COSTRUZIONI

SCREED MORTAR BM81

Product code 81

DESCRIPTION AND USES

SCREED MORTAR BM81 is a ready-to-use premixed mortar for the production of medium-fast drying indoor and outdoor screeds, based on **Natural Hydraulic Lime NHL 5** (of our production certified according to EN 459-1), pozzolanic activators and selected aggregates. Screed suitable for inserting underfloor heating.

TECHNICAL PROPERTIES

Colour	: light brown
Grain size range	: 0-3 mm
Mixing water	: approx. 8%
Theoretical yield	: 18 kg/m ² /cm approx.
Compressive strength 28 days	: 15 N/mm ²
Residual moisture 28 days	: < 2%
Working time	: 30 minutes
Walking time	: 24 h
Fire reaction (class)	: A1
Thermal conductivity (λ)	: 1,3 W/m·K
pH	: > 12
Packaging	: 25 kg bag

APPLICATION

SCREED MORTAR BM81 is specifically for making screeds similar to traditional ones, with the difference that it is possible to lay tiles after 20 days, natural stone, terracotta and parquet after 30 days, because after this time the residual moisture of the screed is normally less than 2%. However, it is good practice to check the moisture content with a carbide hygrometer before installing the floor, especially in winter when low temperatures slow down the setting of the lime. To reach this value it is necessary that there is no rising damp from the underlying substrate.

Always provide a vapour barrier to prevent condensation or moisture from rising from the underlying substrate.

The screed must be more than 4 cm thick.

The operations required are as follows: fix along the perimeter walls and around the pillars a strip of compressible material with a thickness of 4/8 mm and a few cm higher than the screed to be made, and then lay waterproofing sheets on the bottom, taking care that they overlap by at least 20 cm.

Above pipes or ducts, it is a good idea to insert an anti-alkaline glass fibre net with a 15x15 mm mesh, making sure that the thickness of the screed, even in these cases, is never less than 3 cm.

It is important that the mixture has the consistency of damp earth and for this reason it must be compacted very well and levelled off with a straight edge.

Finishing must be executed with a hand trowel or a rotary disc machine. In both cases, a slight amount of water can be sprayed on during smoothing to improve the degree of finish. Protect the screed from excessive ventilation and solar heating during the fresh phase. Use the material immediately after mixing, especially in hot weather.

IMPORTANT:

Clean the substrate of crumbling or inconsistent parts.

Mix **SCREED MORTAR BM81** in a concrete mixer for approx. 3 minutes or with a pressure mixer with pneumatic conveying system until a semi-dry, compact consistency is obtained with no superficial water exudation. Do not add additives or other binders to **SCREED MORTAR BM81**. Do not apply on crumbling substrates and with risk of frost. Do not use below +5°C and above +35°C. Do not moisten the surface of the installed screed.

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.

The values refer to laboratory tests performed under ideal environmental temperature and humidity conditions, and can vary significantly from application conditions in the building sites.

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