



SCREED MORTAR BM81

Product code 81

DESCRIPTION AND USES

SCREED MORTAR BM81 is a ready to use mortar made of **Natural Hydraulic Lime NHL 5** of our production (certified according to EN 459-1), pozzolana activators and selected aggregates for internal and external screeds at medium fast drying.

SCREED MORTAR BM81 is specific for screeds similar to the traditional ones but that allow the laying of tiles after 20 days, of natural stone, terracotta and parquets after 30 days, since after this period of time the residual moisture of the screed is normally lower to 2%.

It is recommended to check the degree of humidity before the laying of tiles especially in the winter period when the low temperatures reduce the drying of the lime.

To achieve this value it is necessary that no moisture rises from the underground.

TECHNICAL PROPERTIES

Colour	: light brown
Aggregates size	: 0-3 mm
Mixing water	: about 8%
Consumption	: 19 kg/m ² /cm of thickness
Compression resistance	: at 28 days 15 N/mm ²
Residual humidity	: at 28 days < 2%
Mixture pot life	: 30 minutes
Walkable	: 24 h
Fire resistance (class)	: A1
Thermal conductivity	: $\lambda = 1,3 \text{ W/m}\cdot\text{K}$
pH	: > 12
Packaging	: 25 kg bag

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.

APPLICATION

The screed to realize must have a thickness more than 4 cm; in this case, the operations to be performed are the following: it is necessary to fix along the walls and around the pillars a compressible tape of 4/8 mm and of a few cm higher than the screed to make and then some waterproof sheets on the surface, one over the other of at least 20 cm. The possible moisture in the subfloor can rise up along the walls so it is better to use an electrosettled mesh in the screed raised from the substrate so that it works in the third inferior of the screed to realize.

It is recommended to use above conduits or canalizations a very fine mesh to avoid cracks, making sure that the thickness of the screed is never less than 4 cm.

It is important that the mixture has the consistency of wet ground and for this reason it must be very well compacted and leveled with a level.

The relative finishing must be made with a trowel by hand or with a rotary disc machine, in both cases to improve the degree of finishing a little amount of water can be used during the leveling step.

Use the material immediately after have mixed it especially during hot season.

Do not use below +5°C and above +30°C.

CONDITIONS FOR A SAFE STORAGE

Store the product in a dry place and indoors. Avoid humidity. Waste treatment according to local law.

Storage: up to 12 months in its original and closed packaging in a dry place and indoors.

Product according to Annex II of REACH - Regulation 2015/830.

For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet. Product for professional use. The product use must be based on researches and evaluation of the worker.

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