

MASSETTO RAPIDO

Quick-setting conventional cement-based substrate screed

MASSETTO RAPIDO is a quick-setting conventional cement-based substrate screed that can be used in the manual mode, in a continuous mixer or in a conventional screed pump. It is ideal for preparing substrates that must be quickly tiled or covered with parquet. MASSETTO RAPIDO is a quick-setting conventional, ready-to-use product on which ceramic and porcelain stoneware tiles, large formats, natural stone, parquet and resilient materials can be fixed with adhesive. It can be used as a floating screed on a ready prepared moisture barrier (underlayment) in layers 40 mm to 80 mm thick.

COMPOSITION

Product in powder form comprising special hydraulic binders, silica sand and limestone dosed in an appropriate grading curve, plus specific additives that make it easy to work and that control the degree of shrinkage.

BLENDING AND APPLICATION

The surfaces must be stable, dry, free from rising damp, cracks, dust, loose or crumbling parts. Before applying the product, isolate it from all the vertical elements by applying a strip of COMPRIMIBILE PERIMETRALE throughout the required thickness of the screed. Structural joints in the substrate must also be maintained throughout the screed layer. Blend a 25 kg bag of MASSETTO RAPIDO with 2.5-3 liters of clean water in a concrete mixer, continuous mixer or a special screed pump until the consistency of the mixture resembles damp soil.

Floating screeds

Apply a moisture barrier (underlayment) formed by sheets of polyethylene or PVC that overlap each other by at least 20 cm and seal them with adhesive tape. Turn up the level barrier around the perimeter for the entire thickness of the screed layer. Having prepared the level strips, apply the product in a 40 mm to 80 mm layer as though it were a normal cement-based screed, which must then be compacted, struck off and finished on the surface with a float or mechanical means.

Screeds on lightened substrates and compressible materials

To create screeds on low-density lightened substrates or on thin, compressible materials, the screed thickness and reinforcing must be calculated to suit the deformability class of the substrate in question. Having prepared the level strips, apply the product as though it were a normal cement-based screed, which must then be compacted, struck off and finished on the surface with a float or mechanical means.

RECOMMENDATIONS

Apply the product at a temperature between +5°C and +30°C. Low temperatures and a high degree of humidity in the air affect the time it takes for the screed to dry.

Do not add water to the product as it is setting.

Always check the residual moisture in the screed before fixing the tiles.

Do not wet the screed once it has been applied and protect the surface from direct exposure to the sun, rain and frost for the first 24 hours after application.

As in conventional cement-based screeds, allow for expansion joints on a level with sills, recesses, edges and

corners, openings in the walls or if there are extensive, continuous surfaces.

Use MASSCEM COMPACT for making conventional substrates on floor heating systems.

INDICATIVE AMOUNT REQUIRED

20 kg per m² per 1 centimeter of thickness.

COLOUR

Grey.

PACKAGES

25 kg bags on 1575 kg disposable pallets protected by cling film.

STORAGE

6 months in the unopened original package stored in a dry place.

TECHNICAL SPECIFICATIONS

PRODUCT DATA

Appearance:	premixed powder
Colour:	grey
Bulk density of powder:	~ 1900 kg/m ³
Dry solids:	100%
Max. diameter of aggregate:	3.0 mm
Nature of hardening aggregate:	siliceous, calcareous

APPLICATION DATA

Application temperature:	from +5 °C to +35 °C
Workable life of mixture EN 1015-9:	≥ 60 minutes
Minimum screed application thickness:	≥ 40 mm
Treadable after:	< 12 hours
Ceramic tiles can be fixed after:	~ 24 hours
Parquet flooring can be fixed after:	~ 5 days*

* check the residual moisture with a calcium carbide hygrometer before fixing parquet or resilient materials

TECHNICAL DATA

Blending ratio:	1 bag of Massetto with 2.5-3 liters of water
Water/Binder ratio EN 13892-1:	0.10%
Air content:	5.1%
Bulk density of mixture EN 13892-1:	~ 2200 kg/m ³
Average compressive strength after 5 days EN 13892-2:	≥ 20 N/mm ²
Average compressive strength after 28 days EN 13892-2:	≥ 30 N/mm ²
Average flexural strength after 28 days EN 1015-11:	≥ 6 N/mm ²

Fire reaction EN 13501-1:	Class A1 _{fl}
Residual moisture of 40 mm layer after 24 hours:	≤ 4%
Residual moisture of 40 mm layer after 7 days:	≤ 2%
Residual moisture of 40 mm layer after 28 days:	< 2%
Percentage of chlorides EN 1015-7:	<0.06%
CE marking	in compliance with UNI EN 13813 (CT-C30-F6)

NOTES

Product for professional use. The data and instructions in this data sheet are based on our best practical and laboratory experience. They refer to laboratory tests conducted at 20°C with 50% R.H. and should be considered indicative. In view of the different conditions of use and application, which depend on factors over which Vimark has no control (type of surface, environmental conditions, technical indications for fixing, etc.), those who use the product are responsible for ascertaining whether or not it is suitable for the intended purpose. Thus our warranty obligation merely covers the quality and fade-free characteristics of the actual product, and exclusively in relation to the aforementioned data. Vimark S.r.l. reserves the right to make technical modifications without prior notice. This technical data sheet voids and substitutes all previous editions.

Vimark S.r.l. possesses a Quality System certified in accordance with ISO 9001:2008 by MORGAN LLOYD Q.A. INTERNATIONAL with U.K.A.S. international accreditation number QAIC / IT / 90471.

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