



MASSETTO RAPIDO

Fast setting and drying
cementitious screed with
controlled shrinkage



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PRODUCT DESCRIPTION

MASSETTO RAPIDO is a Fibre reinforced cementitious screed with quick drying time and controlled shrinkage for internal and external screeds, on new or existing slabs under ceramic, terracotta, natural stone, parquet, resilient materials, decorative floor systems or when fast flooring application is required. For screeds that are rapidly ready to walk on and which you can apply ceramic after just 24 hours and wood, PVC, linoleum after 3-4 days. The product can be applied manually or by using an electrical or diesel screed machine.

COMPOSITION

MASSETTO RAPIDO is a pre-mixed screed based on special hydraulic binders, siliceous and limestone aggregates (selected and gauged according to specific grading curve) and special additives that improve the performance in terms of workability, adhesion to substrates and shrinkage control.

MIXING AND APPLICATION

Mix the product by adding 2-3 litres approx. of clean water per 25 kg bag in a cement mixer. Pour the correct amount of water into the mixer and then add the powder. Mix the product for about 2-3 minutes until smooth and free of lumps. Apply the product as a traditional screed, preparing the level guides and spreading the mixture. Compact and trowel the mixture until the surface is smooth and coplanar.

The use of reinforced fibreglass or metallic mesh in the screed is recommended. If the screed casting is interrupted, insert stainless steel bars (length 20-30 cm, diameter 3-6 mm) in correspondence of appropriate interruption points, in order to ensure when casting restarts a perfect joint between the two castings, which will also reduce cracks, and gaps between different levels.

FLOATING SCREED (da 35 a 80 mm)

The substrates must be stable, dry, free from rising damp, cracks, dust and unstable parts. Before applying the lightweight screed, it is necessary to isolate the vertical and horizontal elements by applying polyethylene sheets or PVC over lapping each other for at least 20 cm and seal properly. Fold back the vapour barrier on the perimeter for the entire thickness of the screed and then place the **COMPRESSIBILE PERIMETRALE** strip. In the case of rising damp, apply the separating layer by waterproof membrane.

ADHERENT SCREEDS (from 10 to 35 mm)

When laying screeds with variable thickness or however less than 35 mm, first apply on the clean base an adhesive grout composed by 1 part in weight of **MASSETTO RAPIDO**, 1 part in weight of **VIMARLATEX 883** and 1 part in weight of clean water. Spread a uniform and continuous layer of grout with a brush or trowel and then lay the screed with the "wet on wet" technique. Apply any level marker strips directly to the grout.

Apply **MASSETTO RAPIDO** as a traditional screed, which is compacted, struck off and finished by floating or mechanical machines, to obtain a coplanar and smooth surface. The use of reinforced fibreglass or metallic mesh in the screed is recommended.

MASSETTO RAPIDO can be used for bonded screeds but the performance in terms of setting time and drying may be compromised.

SCREEDS ON LIGHTENED SUBSTRATES AND COMPRESSIBLE MATERIALS (from 40 to 80 mm)

When laying screeds on low-density lightened substrates, or on thin compressible materials, the thickness and any possible reinforcement for the concrete must be calculated according to the class of deformability of the lightened substrates. Apply **MASSETTO RAPIDO** as a traditional screed, which is compacted, struck off and finished by floating or mechanical machines, to obtain a coplanar and smooth surface. The use of reinforced fibreglass or metallic mesh in the screed is recommended.

COVERAGE

20 kg per m² per cm of thickness.

COLOUR

Grey.

PACKAGING

25 kg bags on disposable 1575 kg pallet (63 bags) protected by waterproof plastic wrap.

STORAGE & SHELF LIVE

6 months from date of manufacture if stored in unopened original packaging in a dry and frost-free place.



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PRECAUTIONS

Do not apply the product in temperatures below + 5°C or above + 35°C. Low temperatures and high humidity may affect drying time of the product. Avoid applying to frozen, dusty, unstable and inconsistent surfaces. Do not add more binders to product once it is ready for use. Do not add water to the product during the setting phase. Always check the residual moisture of the screed before covering with tiles etc. Do not wet screed applied and protect surfaces from direct sun contact, rain and frost for the first 24 hours. Apply separation joints in correspondence to doorframes, openings or in the case of large areas. Do not use on substrates subject to rising damp without applying a necessary barrier or waterproofing seal.

PRODUCT DATA

<i>Appearance</i>	Powder	
<i>Colour</i>	Grey	
<i>Powder volume mass</i>	~ 1700 kg/m ³	EN 1015-10
<i>Maximum aggregate size</i>	≤ 2.5 mm	

APPLICATION DATA

<i>Water content of mix</i>	8-12%	
<i>Mixture ratio</i>	1 bag + 2-3 ℓ of water	
<i>Density of fresh mortar</i>	~ 2170 kg/m ³	EN 1015-6
<i>Minimum application temperature</i>	+ 5°C	
<i>Maximum application temperature</i>	+ 35°C	
<i>Pot life mixture</i>	> 30' minutes	EN 1015-9
<i>Minimum applying thickness</i>	≥ 35 mm (for floors subject to pedestrian traffic)	
<i>Set to foot traffic</i>	> 2-4 ore (depending on weather conditions)	
<i>Time before laying ceramic flooring</i>	> 24 hours*	
<i>Time before laying parquet flooring</i>	> 3 days*	

* before laying the coatings always test the residual humidity using a Calcium Carbide hygrometer.

PERFORMANCE DATA

<i>Compressive strength</i>	≥ 30 N/mm ² C30	EN 13892-2
<i>Flexural strength</i>	≥ 7 N/mm ² F7	EN 13892-2
<i>Reaction to fire</i>	A1 _{fl} Class	EN 13501-1
<i>Böhme abrasive strength</i>	NPD	EN 13892-3
<i>Release of corrosive substances</i>	CT	EN 13892-2
<i>Water permeability</i>	NPD	EN 1062-3
<i>Vapour permeability</i>	NPD	EN 12086
<i>Sound insulation</i>	NPD	EN ISO 140-6
<i>Sound adsorption</i>	NPD	EN 12354-6
<i>Thermal resistance</i>	NPD	EN 12524
<i>Chemical resistance</i>	NPD	EN 13529

ACCORDING TO



EN 13813:2002

Cementitious screed material for internal use
CT-C30-F7

The management system has been certified according to:

EN ISO 9001
EN ISO 14001
BS OHSAS 18001

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 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 reserves the right to make technical modifications without prior notice. This technical data sheet voids and substitutes all previous editions. Updates will be published on the web site www.vimark.com.



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