



Traditional screed
based on
natural hydraulic lime



konstruktive · **leidenschaft**



Strada Spartafino, 2
12016 Peveragno (CN)



ph. +39 0171 38.38.00
Fax +39 0171 33.93.95



info@vimark.com
www.vimark.com



PRODUCT DESCRIPTION

MASSETTO ANTICO is a natural mineral cement screed based on natural hydraulic lime NHL 2, with normal setting and drying time, controlled shrinkage and good mechanical strength, designed for the preparation of flooring under tiles, terracotta, natural stone or parquet. Specifically formulated with a high permeability to water vapour diffusion, suitable for screeds under concrete slabs in public areas, floor slabs, underfloor heating, lightened screeds and can be applied both internally and externally.

COMPOSITION

MASSETTO ANTICO is a pre-mixed screed based on natural hydraulic lime NHL 2, siliceous and calcareous aggregates (selected and measured out according to specific grading curve) and specific additives that improve the performance in terms of workability and adhesion to substrates.

MIXING AND APPLICATION

The surfaces to be covered must be stable, dry, free of rising damp, cracks, dust, loose or friable parts. Before applying the product, it is necessary to isolate the vertical and horizontal elements by applying **COMPRIMIBILE PERIMETRALE** strips for the full height of the screed. Maintain any structural joints present on the floor base also in the thickness of the screed. Mix the product by adding 4.0-4.5 litres approx. of clean water per 25 kg bag in the 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.

FLOATING SCREEDS

When laying a floating screed, first apply the separating layer, made of polyethylene or PVC sheets, overlapping each other by at least 20 cm and properly sealing them. The vapour barrier must be turned up on the vertical elements for the entire thickness of the screed, and then place **COMPRIMIBILE PERIMETRALE** strip. In the case of rising damp, separate walls from flooring by applying a separating layer of waterproof membrane. Applying **MASSETTO ANTICO** is similar to a normal screed, which is compacted, struck off and finished by floating or mechanical machine, to obtain a coplanar and smooth surface. The use of reinforcing 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 cuts, in order to ensure a perfect junction between jets, and to reduce cracks and gap between different levels.

BONDED SCREEDS

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 ANTICO**, 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, then lay the screed with the "wet on wet" technique. If there are level marker strips, place them on the adhesive grout. The laying of **MASSETTO ANTICO** is similar to a normal screed, which is compacted, struck off and finished by floating or mechanical machine, to obtain a coplanar and smooth surface. The use of reinforcing fibreglass or steel mesh in the screed is recommended.





SCREEDS ON LIGHTENED SUBSTRATES AND COMPRESSIBLE MATERIALS

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 ANTICO** 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.

INDICATIVE AMOUNTS REQUIRED

18.0 kg per m² per cm of thickness.

COLOUR

Beige.

PACKAGING

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

STORAGE

12 months in original intact packaging and stored in a dry place.

RECOMMENDATIONS

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 gripping 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

Appearance	powder	
Colour	beige	
Powder volume mass	~ 1400 kg/m ³	EN 1015-10
Maximum aggregate size	≤ 3.0 mm	

APPLICATION DATA

Water content of mix	16-18%	
Mixture ratio	1 bag + 4.0-4.5 ℓ of water	
Density of fresh mortar	~ 1900 kg/m ³	EN 1015-6
Density of hardened mortar	~ 1750 kg/m ³	EN 1015-10
Minimum application temperature	+ 5°C	
Maximum application temperature	+ 35°C	
Pot life mixture	> 60' minutes	EN 1015-9
Minimum applying thickness	≥ 35 mm (for floors subject to pedestrian traffic)	
Set to foot traffic	> 24 ore (depending on weather conditions)	





**PERFORMANCE
DATA**

<i>Time before laying ceramic flooring</i>	> 7 days*	
<i>Time before laying parquet flooring</i>	> 28 days*	
* before laying the coatings always test the residual humidity using a Calcium Carbide hygrometer.		
<i>Compressive strength</i>	≥ 5.0 N/mm ² C5	EN 13892-2
<i>Flexural strength</i>	≥ 1.0 N/mm ² F1	EN 13892-2
<i>Reaction to fire</i>	A1 _{fl} Class	EN 13501-1
<i>Böhme abrasive strength</i>	NPD	EN 13892-3
<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

REMARKS

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.

