



FIBROLITE HYDRO

Lime and cement based, water repellent, fibre-reinforced render/plaster for spraying



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PRODUCT DESCRIPTION

FIBROLITE HYDRO is a water-repellent mineral, fibre-reinforced and ready to use render mortar for external use on traditional masonry bricks, blocks or concrete, either new or existing. Its application allows to protect and level off treated supports, maintaining good wall breathability.

The product is particularly suitable for application on walls exposed to rain and is designed to be applied by spraying machine.

COMPOSITION

FIBROLITE HYDRO is a premixed product made from cement, lime, selected and opportunely dosed calcareous aggregates, fibres and specific additives that improve the quality of the product in terms of workability, breathability and adherence to the supports.

MIXING AND APPLICATION

FIBROLITE HYDRO can be applied by mechanical spraying, using plastering machine for pre-mixed products, or by hand.

The supports to be plastered must be homogeneous, stable, clean, fixed, free of brittle parts, dust, bacterial proliferation, saline efflorescence, oils, grease, wax, residues of previous work, etc. If necessary, clean the support by sandblasting or pressure washing.

Smooth, non-absorbent or compact concrete supports must be previously treated with the application of a layer of **BETON RINZAFFO** to improve the adhesion of the render mortar to the lower support. The plaster application should be done 24-48 hours after application of the preparation coat **BETON RINZAFFO**.

If the plaster has to be applied on non homogeneous surfaces, insert within the plaster layer a fibreglass alkali-resistant reinforcement mesh **ARMANET 10X10**. The mesh should be applied to approx. 30 cm beyond the discontinuity of the product and applied within the plaster and not adherent to the wall.

For manual application, mix the product by adding approx. 6.0-6.5 litres of clean water per 25 kg bag in the cement mixer. Put the correct amount of water into the cement mixer, then add the powder. Mix the product for about 2'-3' minutes until the mixture is smooth and free of lumps. Apply the product with a trowel as a traditional render mortar. The mixed product is usable within 90' minutes after mixing with water.

The preparation of corner bead, level guides, etc. should be performed before applying the plaster layer on the wall. For applications by machine, apply the product evenly in a single layer, with a thickness between 10 and 20 mm. Levelling and finishing the plaster layer with an aluminium screed bar. Any smudges or excess product is to be eliminated by scraping and sanding the supports. The prepared surfaces are then suitable for treating with finishing products.

COVERAGE

14 kg per m² per cm of thickness.

COLOUR

Grey.

PACKAGING

25 kg bags on disposable 1225 kg pallet (49 bags) protected by waterproof plastic wrap.

STORAGE

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

RECOMMENDATIONS

Do not apply at temperatures below + 5°C, in the presence of strong wind, rain and under direct sunlight or above + 35°C. At high temperatures, it is recommended to evenly wet the supports before applying product. Do not apply on frozen, dusty, uneven and inconsistent supports. Plaster thickness should be between 10 to 20 mm. Avoid application on gypsum-based substrates or mineral and organic insulating panels. Protect the applied product from frost, rain and rapid drying for the first 24 hours after application.

PRODUCT DATA

<i>Appearance</i>	Powder	
<i>Colour</i>	Grey	
<i>Dry bulk density</i>	~ 1500 kg/m ³	EN 1015-10
<i>Maximum aggregate size</i>	≤ 1.5 mm	

APPLICATION DATA

<i>Water content of mix</i>	24-26%
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PERFORMANCE DATA

<i>Mixing ratio</i>	1 bag + 6.0-6.5 ℓ of water	
<i>Minimum application temperature</i>	+ 5°C	
<i>Maximum application temperature</i>	+ 35°C	
<i>Working time</i>	< 60' minutes	
<i>Bulk density of fresh mortar</i>	~ 1600 kg/m ³	EN 1015-6
<i>Bulk density of hardened mortar</i>	~ 1300 kg/m ³	EN 1015-10
<i>Adhesion</i>	≥ 0,30 N/mm ² (FP) B	EN 1015-12
<i>Adhesion</i>	≥ 0,50 N/mm ² (FP) B	EN 1015-12
<i>Air content</i>	12%	EN 1015-7
<i>Compressive strength</i>	≥ 1.5 N/mm ² CS II	EN 1015-11
<i>Flexural strength</i>	≥ 0.5 N/mm ²	EN 1015-11
<i>Capillary water absorption</i>	≤ 0.20 kg/m ² x min ^{0.5} W2	EN 1015-18
<i>Water vapour permeability coefficient</i>	≤ μ 15	EN 1015-19
<i>Thermal conductivity</i>	0.45 W/mK (tab. mean value; P=50%)	EN 1745, A.12
<i>Specific heat capacity</i>	1.0 kJ/kgK	EN 1745, A.12
<i>Reaction to fire</i>	A1 Class	EN 13501-1
<i>Durability</i>	Evaluation based on provisions valid in the intended place of use of the mortar	EN 998-1
<i>Hazardous substances</i>	See MSDS	EN 998-1

ACCORDING TO



EN 998-1

General purpose rendering mortar (GP) for external use

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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