



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



konstruktive • **leidenschaft**



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**PRODUCT DESCRIPTION**

**FIBROCEM** is a waterproof mineral, fibre-reinforced and ready to use plaster for internal and external use on traditional masonry bricks, blocks or concrete, either new or existing. Its application allows to protect and level off supports with large irregularities, maintaining good wall breathability. The product is designed to be applied by spraying machine.

**COMPOSITION**

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

**MIXING AND APPLICATION**

**FIBROCEM** 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 and 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 plaster to the 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 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 done before applying the plaster layer on the wall.

For application by machine, apply the product evenly in a single layer, with a thickness between 10 and 20 mm per coat.

To achieve greater thicknesses, proceed with the application in successive layers using the system "fresh on fresh".

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.

**INDICATIVE AMOUNTS REQUIRED**

13 kg per m<sup>2</sup> per cm of thickness.

**COLOUR**

Grey.





**PACKAGING**

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

**STORAGE**

6 months in original intact packaging and stored in a dry 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.

Render/plaster thickness should be between 10 to 20 mm per coat.

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>	~ 1450 kg/m <sup>3</sup>	EN 1015-10
<i>Maximum aggregate size</i>	≤ 1.5 mm	

**APPLICATION DATA**

<i>Water content of mix</i>	24-26%	
<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>	≥ 90' minutes	

**PERFORMANCE DATA**

<i>Bulk density of fresh mortar</i>	~ 1650 kg/m <sup>3</sup>	EN 1015-6
<i>Bulk density of hardened mortar</i>	~ 1350 kg/m <sup>3</sup>	EN 1015-10
<i>Adhesion</i>	≥ 0.15 N/mm <sup>2</sup> (FP) B	EN 1015-12
<i>Compressive strength</i>	≥ 2.0 N/mm <sup>2</sup> CS II	EN 1015-11
<i>Flexural strength</i>	≥ 0.5 N/mm <sup>2</sup>	EN 1015-11
<i>Capillary water absorption</i>	≤ 0.20 kg/m <sup>2</sup> x min <sup>0.5</sup> 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/plastering mortar (GP) for internal/external use

**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](http://www.vimark.com).

