ABRF
SKIM COAT RENDER
Fine Finished

1 \ ABOUT THIS PRODUCT

ABRF is a fine finished, cementitious, external, rainproof, grey dry render mortar, designed for manual application. This Dry Mortar is factory produced from carefully selected raw materials, thus assuring constancy and quality. It only requires the addition of water on site.

2 \ SUITABILITY

ABRF is suitable for manual skimcoat rendering of walls, over previous applied cement render, in both internal and external walls.

3 \ PACKAGING

ABRF is supplied on 25 kg bags.

4 \ STORAGE AND SHELF LIFE

ABRF must be kept on its bag until usage. When stored unopened in a dry place at temperatures above 5°C, and sheltered from direct sunlight, shelf life is 12 months from date of manufacture.

5 \ TECHNICAL DATA

Powder bulk density	1500 ± 200 kg/m^3
Consistency (Flow table)	170 ± 5 mm
Workable Life	60 min
Fresh mortar bulk density	1750 ± 200 kg/m^3
Compressive Strength (28 days)	≥ 3,5 N/mm^2
Adhesive Strength over concrete (28 days)	≥ 0,15 N/mm^2 – FP:B
Capillary water absorption (28 days)	≤ 0,20 kg/m^{2}min$^{0.5}$
Water vapour Permeability	μ ≤ 15
Thermal Conductivity ($\lambda_{10,dry}$)	0,5 W/mK (Avg.Tab.Value; P=50%)
Yield	15 ± 1 kg/m^{2}cm thick

These results were obtained in controlled laboratory conditions in observance of the EN 998-1 European Standard.

6 \ PREPARATION AND APPLICATION

6.1 \ Substrate preparation

• All surfaces must be sound, clean, suitably dry and free of any material which may impair adhesion, having special care, in site moulded concrete walls, to insure the absence of any vestige of demoulding agents.
• The substrate must be flat, and any holes or imperfections should be repaired prior to rendering.
• If the substrate is a render, it must not be given any fine finish, and must be left rough.

6.2 \ Application – manual rendering

The rendering of any particular wall must be applied and finished in the same day.
Add and thoroughly mix 4 litres of water to each 25 kg bag. If you're using a continuous screw mixer, then adjust the water to the minimum flow necessary to achieve the required workability.

Once mixed, this dry mortar shall be applied in the same fashion as traditional site-made mortars. When the render is green (set but not fully hardened) it should be repressed, using a flat ruler, from bottom to top, in order to prevent any sagging of the surface.
The mortar must be applied within 1 hour of mixing, and no further water may be added.

7\ GOOD PRACTICES

DO NOT ADD ANY OTHER MATERIALS TO THE DRY MORTAR.

7.1 \ Mixing water

The mixing water must be clean, and preferably potable. Drinking water is generally suitable.
Once the mixing is done, do not add any further water to the mortar.

7.2 \ Climate exposure

ABRF must not be applied if the environmental temperature is below 5ºC or above 30ºC.
Do not apply on top of frozen substrates, avoid application if the substrate is subject to direct strong winds or intense sun exposure.
Apply a fine spray of clean water at 24 hours after render application, and repeat at 48 hours and 72 hours.
If the render is exposed to very high temperatures and/or strong wind, the first application of the fine water spray must be done at 6 hours after the skimcoat application, and it should be repeated every 24 hours until the 3 – 5 days after application.
In hot and/or dry climates, curing as above is essential and should be extend for 3 - 5 days after application.

7.3 \ Thickness

Apply the mortar onto the substrate using a suitable notched trowel (6 to 8 mm teeth), and lay in the fibreglass mesh (with openings of 10 mm to 14 mm) embedding it in the mortar, using the flat face of the trowel, and flattening the notches. Make sure the mesh is flat, without any folds and is not touching the support.
Cover the mesh with the mortar, applying it with the straight edge, using the minimum amount of mortar necessary to ensure that the mesh is totally embedded.
The total thickness of the render should be 0,3 cm and 0,8 cm, and each layer should have similar thicknesses.

7.4 \ Transition zones between substrates

On transition zones between different substrates, such as for example brick and concrete, fibre glass mesh shall be used, with openings of 10 mm to 14 mm, between layers, and at approximately half the total thickness of the render. This mesh is applied on top of a still fresh render layer, and care must be taken to assure an homogenous and total cover of the underlying transition, and extending 10 cm to each side of the transition.

CE For further information, check our Declarations of Performance, available at: www.cimpor.com

7.5 \ Corners and areas subjected to wear

On the corners of any opening on the wall (windows, doors) use a fibre glass mesh applied at a 45º angle to the sides of the opening. This mesh shall be identical and applied as described in **7.4**.
The usage of protection profiles is recommended on wall edges, if subject to mechanical wear.

7.6 \ Finishing products

This product is designed to be painted (using normal paints), and cannot be used if you intend any sort of tiling, stone covering, ETICS, or any other final layer other than normal paint.

8 \ HEALTH AND SAFETY

Contains cement (Contains chromium (VI). May produce an allergic reaction). Harmful by inhalation. Irritating to eyes and skin. Keep out of the reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical help. After contact with skin, wash immediately with plenty of soap and water. Wear suitable protective clothing, gloves and eye/face protection. Do not swallow.
For further information, please request the Material Safety Data Sheet for this product.

Any information presented on this document is, to the best of our knowledge and on the issue date, true. This document can be revised, and any information changed, without prior warning. Our responsibility goes only as far as the quality assurance of the product, and, thus, does not cover any eventuality that may arise from using this product in any form different from its intended use.

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