

Marble Render

TECHNICAL DATA SHEET



White

Product Description

Fibrocem Marble Render is a cement based pure white pre-mixed ready to use material with the addition of clean water the only requirement. Silicone polymer modified and through coloured, the silicone adds a high water repellent quality, repelling water from the surface of the render system, while allowing vapour to pass through the render. This product has been designed to have excellent workability and open time properties, The through colour and one-coat features allows fast application with reduced program periods, thereby reducing associated scaffolding and site costs. One-coat render can also be used as a finish coat in conjunction with a Fibrocem Base Coat Render.

Where can it be used?

- New Build
- Residential
- Commercial
- Public Buildings
- Social Housing refurbishment

System features & benefits

- One-Coat application
- Silicone polymer modified
- Water repellent
- Excellent workability
- Factory produced quality controlled
- Through coloured

Good practice

Do not apply:

- If frost is forecast within 24 hours of use
- In damp wet conditions
- In temperatures below 5 c or above 30 c
- On elevations in direct sunlight or where the substrate is hot



OR



Typical substrate?

- Brick or block work
- Fibrocem base render

Preparation

All surfaces must be sound, clean, dry and free of any material which may impair adhesion. Do not apply to shiny surfaces. Scaffolding must be independently tied to allow for uninterrupted application. Any faults in the structure, particularly those which may lead to moisture penetration must be rectified. Poorly keyed surfaces or substrates of uneven or high suction should be prepared with Fibrocem P10 Primer. Mask around the areas where material is to be applied. Masking tape must be removed before the material has dried out. Beads & expansion joints should be included as required by the substrate and carried through all applied materials. Suitable specification clauses, including specifications for difficult or mixed substrates are available from our technical department. Note: In many cases rendering applied to expanded metal lathing is more prone to cracking than when applied to dense masonry. To reduce this risk, lathing must be fixed strictly in accordance with the manufacturer's recommendations and relevant codes of practice. Consult our technical department for further advice. Always apply a test panel for client, specifier, main contractor or other interested party to approve before starting the main body of the work.

Mixing

Fibrocem Marble render should be mixed with clean water at a rate of approximately 4-5 litres per 25kg bag using a suitable drill with whisk attachment, mix for 5 min, allow standing for 5 min then re-mix. This process allows the chemical additive to dissolve and activate. Note Fibrocem Marble Render may stiffen on standing. Re-mix the product to regain a workable consistency but do not add any more water.

NSPlus

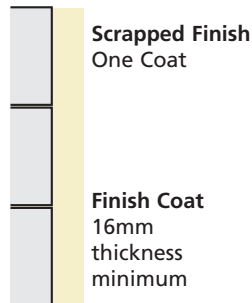
Independently tested by

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Application

DO NOT apply if frost is forecast within 24 hours, in wet conditions, in temperatures below 5°C or above 30°C, to elevations in direct sunlight or to substrates that are hot. To maintain colour consistency, panels should be completed in sequence around the building. To avoid dampness and discoloration rendering should be avoided below DPC or within 150mm of ground level. Fibrocem Marble Render is applied directly onto brick or block work and must be finished to a minimum thickness of 16mm thickness to avoid "ghosting". The material should be applied to a minimum thickness of 18mm in 2 passes, the first pass 6-8mm and the second pass 12-10mm. Ensure that the second pass is applied before the surface has formed a skin. When the material has set but not fully hardened 2mm is scrapped off to achieve a minimum finish thickness of 16mm. When ruling level hollows should be filled out immediately before a skin has formed. Take care to avoid small hollows, which may make it difficult to achieve a good finish. Small areas such as quoins, bands and reveals can be finished with a plastic float. Do not polish.

We would always recommend the incorporation of reinforcing mesh in the render, Fibrocem recommend alkali resistant reinforcing mesh. Always ensure the joints are overlapped by 100mm.



Scraping

Scraping should take place when the render is green (set but not fully hardened). The exact timing of this operation will be varied according to the weather conditions and can be anything from 5-36 hrs after application. The render is ready when a thumb impression cannot be made in the surface but it can be marked with a thumb nail. At the correct time scrape the surface in a tight circular action using a scraping tool. It is essential that this operation is done carefully and evenly, the objective is to only remove 1-2mm from the complete surface.

Brush Down

Immediately after scraping, using a soft brush remove all loose material. Doing this process will highlight any unscraped areas. Unscraped areas must be scrapped immediately to avoid colour variation. If scrape patterns or marks are observed they should be softened by further gentle scraping or brushing. Small blemishes can be repaired at this stage by, using material freshly scraped from the wall.

Ashlar features

After scraping the surface level, ashlar effect is achieved by cutting into the surface using an ashlar cutter to form grooves. Ensure to leave a minimum of 10mm of render between the recessed ashlar cut and the substrate. Additional render thickness should have been applied to accommodate the depth of the ashlar cut. Typically 20-25mm thickness is required for ashlar cutting. When forming cuts take care to avoid damaging arises by working away from the external corner. All cuts must be the same width and depth and set out uniformly as required.

Specification Clauses relating to these products can be found in NBS Section M20 Rendering.

BS 5265 Code of Practice for External Rendering and BS 8000-10 must be followed.

Protection & curing

The product must be protected against rain, direct sun and also wind should be taken into consideration, sheeting the facade or the scaffold is advised to achieve this. Do not apply if the substrate and the environmental temperature is below +5c. Surrounding areas and other building parts, such as windows, windowsills etc, must be properly protected from unfavourable weather conditions during application and early curing.

Cleaning

All equipment must be washed with clean water immediately after use. Waste material should not be emptied into drainage systems.

Coverage

2.0kg /per mm thick / per m2
Required 32 - 36kg / per m2 approx for 16-18mm thickness.

Packaging

Fibrocem Marble Render is supplied in 25kg bags on 1200x1000 pallets 42 bags per pallet.

Storage

When stored unopened in a dry place at temperatures above 5°C, shelf life is 12 months from date of manufacture.

Health & 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

For further information, please request the Material Safety Data Sheet for this product.

DISCLAIMER

To the best of our knowledge and belief, this information is true and accurate, but as conditions of use and any labour involved are beyond our control, the end user must satisfy himself by prior testing that the product is suitable for his specific application, and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors. Products are sold subject to our Standard Conditions of Sale and the end user should ensure that he has consulted our latest literature.