

Fibrocem High Impact Universal Render System

TECHNICAL DATA SHEET



Product Description

Fibrocem High Impact Universal Render is a pre-mixed ready to use material with the addition of clean water the only requirement. The Fibrocem High Impact Universal Render range is a two coat or three coat system that provides extraordinary durability and a class 0 fire rating. The application of Fibrocem High Impact Universal Render is similar to standard renders, requiring the use of a stainless steel trowel, & straight edge rule. **The Code of Practice for Renders BS 5262 1991 and NBS Building Specification section M20 should be followed.**

The Fibrocem render system helps architects, and surveyors to comply with **Section B2** of the **Building Regulations** and fulfil their professional obligations under the **Regulatory Reform (Fire Safety) order (RRFSO)**.

Why use Fibrocem High Impact Universal Render?

Fibrocem High Impact Universal Render has been specifically designed to work in areas where general protection of the walls is a primary requirement, suitable for internal & external walls in school, hospitals, and factories and public buildings. Fibrocem High Impact Universal Render incorporates the, unique Fibrocem fibre technology that gives the material extraordinary tensile strength and durability and delivers the unique characteristics required for today's demanding buildings, therefore suitable for use where destructive attack and daily wear and tear is likely to occur.



OR



Part of the Anti-Graffiti System

Fibrocem Anti/Graffiti - Fire Protection or Fibrocem Hygiene coatings are the recommended functional/decorative finishing coat system for the Fibrocem High Impact Universal Render. (Please see product overview and technical data sheet for more information)

System Features

- Resistant to atmospheric pollution
- Extraordinary durability
- Class 0 fire rating
- Outstanding tensile strength
- Total high impact protection / where destructive attack is likely to occur
- Independently tested at Warrington Fire Research Centre
- 2 coat system / 3 coats on stainless steel metal lath
- Provides long term protection

Product Appearance

Fibrocem Universal Render is a flat rendered finish. When recommended Fibrocem Anti / Graffiti - Fire Protection or Hygiene coating is applied as the final finishing coat, the appearance is a smooth high sheen finish.

Where can it be used?

- Schools
- Hospitals
- Factories
- Public building
- Agricultural
- Any internal or external wall that requires protection

The Fibrocem Service available to you

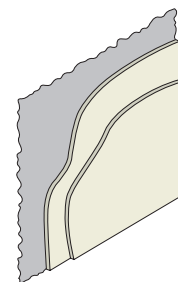
- Free specification service
- On-site product training when required
- Unrivalled expertise and knowledge
- Fibrocem trained contractors available
- On site technical backup



Technical information

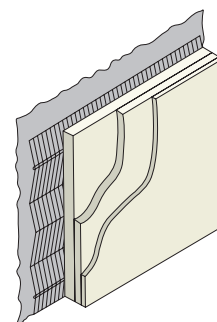
General Application

Product	Type	Thickness (mm)	Recommended hand tools
Fibrocem Universal	Dubbing	max. 25mm/coat	Steel Trowel
Fibrocem Universal	Backing	8mm - minimum	Steel Trowel
Fibrocem Universal	Finish	4mm - minimum	Steel Trowel



Stainless Steel Rib and Expanded Metal Lath Reinforced Application

Product	Type	Thickness (mm)	Recommended hand tools
Fibrocem Universal	Metal lath backing (First Coat)	9mm min - maintaining 6mm from the face of the lath.	Stainless Steel Trowel
Fibrocem Universal	Metal lath backing (Second Coat)	3mm - minimum	Stainless Steel Trowel
Fibrocem Universal	Finish	4mm - minimum	Steel Trowel



STRENGTH

Flexural Strength

7 days	5.7 MN/m ²
28 days	8.8 MN/m ²

Compressive Strengths (Prisms)

7 days	33.5 MN/m ²
28 days	48.0 MN/m ²

Consistence

Dropping ball penetration	12.22 MN/m ²
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Elastic Modulus (non-standard test)	10.0 Kn/mm ²
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FIRE

Class 0 (non-combustible)

WATER

Water/Cement Ratio	0.35
Consistence Retention	28%
Water Retention	92%
Wet Density	1.9 g/ml
Shrinkage	0.1% - 0.15%

Initial Surface Absorption

ml/m ² minutes @ 10 minutes	4.75
ml/m ² minutes @ 30 minutes	3.00

THERMAL EXPANSION

(non-standard test)	5-12 x 10 ⁻⁶ °C
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NB: The minimum overall recommended thickness for 2 coat system on a general application is 12mm. The minimum overall recommended thickness for 3 coat system on stainless steel rib lath is 16mm.

How to specify / product application

The application of Fibrocem is similar to standard renders, requiring the use of a stainless steel trowel, and straight edge rules. **The Code of Practice for Renders BS 5262 - 1991 and NBS Building Specification Section M20 should be followed.** For a full Fibrocem High Impact security Render Specification, and product application method, **Please contact our technical sales Department. On 01845 578555.**

Coverage



For each mm of thickness you will require approx 2.08 kg per m². When applied at 12mm thick, coverage is approx 40 m² per tonne.

Note: These estimates take no account of wastage and may vary according to the type of surface involved. An allowance must be made for uneven and misaligned substrates when ordering materials.

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.