

## Fibrous Renovation Render MFR

**Fibre-reinforced, cementitious renovation render for restoration and renovation of damaged old render façades. For outdoor and indoor use.**

<b>Technical Data:</b>	
Class of mortar:	GP CS III according to DIN EN 998-1 P II according to DIN V 18550
Compressive strength:	3,5 – 7,5 N/mm <sup>2</sup>
Grain size:	0 – 1,2 mm
Colour:	light grey
Layer thickness:	5 – 15 mm
Working time:	30 – 60 Min.
Working temperature:	> + 5°C and < + 30°C, observe the processing instructions
Water requirements:	Approx. 5,5 - 6 l per 25 kg
Yield:	Approx. 19 per 25 kg
Consumption:	Approx. 13 kg / m <sup>2</sup> / cm layer thickness
Storage:	dry
Lieferform:	25-kg-sack, container, silo

### Properties:

- mineral
- fibre-reinforced
- hydrophobic
- weather and UV resistant
- increased stability and excellent adhesive bonding
- layer thicknesses from 5 to 15 mm
- suitable for machine application allowing economical working
- reduced crack risk due to low elastic modulus, little shrinkage
- can be worked in a single layer
- no primer needed on highly absorbent substrates
- allows rapid final treatment, therefore reduced scaffolding time
- numerous texture treatments possible (felting, fine felting, rubbing, washing)

### Application:

- for levelling uneven old render surfaces
- also on load-bearing capable dispersion paints and renders
- for all types of masonry as well as concrete
- on cracked old render façades with embedded alkali resistant fabric
- can be subsequently coated with thin-layered, ready-mixed renders as well as paint
- for outdoor and indoor use

### **Quality & Safety:**

- binder according to DIN EN 197 and DIN 459
- class of mortar GP CS III according to DIN EN 998-1, P II according to DIN V18550
- mineral, light-weight aggregates made of expanded glass
- quality controlled
- low in chromates within the scope of TRGS 613

### **Substrate:**

All load-bearing capable, dry substrates free of dust such as concrete, all types of masonry, cement-lime render or cement render, ready-mixed render, etc. are suitable. Remove all loose material, friable render and any coatings that do not adhere. Major unevenness, etc. is to be levelled with a suitable material. When assessing and preparing the substrate, observe VOB/C, DIN 18350, paragraph 3.

### **Application:**

Apply manually or by machine with any conventional machine. If the render is applied manually, we recommend mixing by means of a mixing tool until a homogenous paste-like consistency has been achieved. Water requirements per 25 kg bag approx. 5.5 – 6 l.

- **Rendering**

For exterior render, apply Fibrous Renovation Render MFR in a single layer up to approx. 15 mm thickness. After hardening, one of quick-mix thin-layered textured ready-mixed renders can be applied. For thicker layers or in cases where the substrate is very uneven, we recommend applying the material in two layers. An alkali resistant fabric should then be embedded into the second layer.

- **Embedding fabric (trowel application)**

Fibrous Renovation Render MFR can be used for embedding fabric in a layer approx. 5 mm thick which can then be roughened for subsequent coating or felted if paint is to be applied. To embed an alkali resistant glass latticed tissue, apply render with a comb and embed the tissue uniformly and crease-free in the upper third of the layer. Make sure that the fabric overlaps sufficiently!

When applying the render on light wood-wool boards, concrete substrates and where there is a transition from one material to another, a fabric should be embedded according to the state-of-the-art.

Do not use in direct sunlight or at temperatures (ambient and substrate) below +5°C. Observe the information sheet "Verputzen bei hohen und tiefen Temperaturen" (Plastering at high and low temperatures), DIN EN 998-1, DIN V 18550, DIN 18350 (VOB Section C), and the information provided on our homepage. Protect fresh render from drying out too quickly and from bad weather (frost, driving rain, etc.)

**Yield:**

25 kg of dry mortar produce approx. 19 l of render when mixed properly.

**Storage:**

Store dry on wooden grids.

**Packaging:**

25-kg-paper bag, container, silo

**Note:**

In case of major unevenness in the substrate, the setting time of the render may vary. In these cases we recommend applying the material in two working operations, so that the material has uniformly set when the time comes for felting.

This product contains lime and cement and reacts alkaline with moisture/water. Protect skin and eyes. In case of contact, rinse with water. In case of eye contact, go to a doctor immediately. See also the information given on the paper bag.

The statements above are compiled from comprehensive testing and experience gained in practice. If necessary, we recommend the execution of application tests. Technical changes within the scope of further development reserved.

Our general conditions are valid.

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