

## Technical Information Sheet Article No. 0408

# Fine Render

## Mineral surface filler, fine render and reinforcement mortar

Can be felted. For mineral substrates when restoring render and facades

### Range of use

- As a surface filler for smoothing mineral substrates and undercoat renders indoors and outdoors (Plaster Group P II and P III)
- For restoration of facades, plinths and interior wall surfaces in old and new buildings
- Fine plaster that can be felted for creating fine, closed surfaces ready for painting or wall paper
- For restoring cracks using inner reinforcement fabric covered by a coat of fine render
- As a smooth, fine render coating for Remmers Compound Mortar when restoring facades
- As a mineral felted render and surface filler in indoor and outdoor areas, also for historical buildings.

### Characteristic data of the product

Bulk density:	approx. 1.2 kg/dm <sup>3</sup>
Colour:	antique white
Quality control:	composition and quality
Composition:	mineral binders, prepared mineral aggregates, special fillers and additives
Largest grain:	0.5 mm
Compressive strength:	DIN 18550-part 2: P II approx. 5 N/mm <sup>2</sup>
Capillary water absorption DIN 52617:	$w < 0.5 \text{ kg/m}^2 \text{ h}^{0.5}$
Water vapour diffusion (2 mm thick layer):	$S_d \leq 0.5 \text{ m DIN 52615}$

### Property profile

Remmers Fine Render is a factory-mixed, fine-grained, antique white, fine plaster that is used for the restoration of buildings. The render has the following outstanding properties:

- Very smooth, easy to work and felt
- Green stable, high yielding, adheres tightly
- For the production of smooth surfaces ready for painting
- Also suitable for bedding reinforcement fabrics when restoring cracks
- For 2 to 5 mm thick layers
- Water repelling, highly water vapour permeable
- Water, weather and frost resistant

### Substrate

The substrate to be rendered must be mineral, load bearing and free of material that could interfere with the adhesion of the render (e.g. loose material, dust, sanding, efflorescence, dirt).

Detached areas of render should be closed first with Remmers Compound Mortar S (fast setting). Coat cracked render surfaces with Remmers Fine Render, using Remmers Reinforcement Fabric 5/100.

Before Remmers Fine Render is applied, pre-wet the substrate (substrates with a water repelling effect should be pre-wet with de-tensioned water). The render is applied to the matt damp render base.

## Working

### Feltable fine render coating:

Pour **6 litres of water** into a clean container, add **25 kg of Remmers Fine Render** and mix thoroughly with mixing equipment / tool (e.g. BEBA double shaft positive mixer) for approx. 3 minutes until homogenous and a consistency proper for working has been achieved.

Reinforcement mortar with fabric inlay:

**To produce the reinforcement mortar, pour 7.0-7.3 litres of water per 25 kg bag** and mix as described above.

Working time: approx. 2 hours, depending on temperature.

After the substrate has been pre-treated, apply Remmers Fine Render by hand with a toothed trowel or float and smooth. The fine render can be applied in a layer 2 to 5 mm thick. After 30 to 60 minutes the fine render can be felted. Always work wet-on-wet to avoid seams when scaffolding is used.

To bed the glass fibre / reinforcement fabric, Remmers Fine Render is applied with a toothed trowel 6/8, the reinforcement fabric is laid in place and the surface is then levelled with a smoothing trowel.

Make sure that the reinforcement fabric overlaps 10 cm. The reinforcement layer of Remmers Fine Render must be at least 2.5 mm thick and the fabric should lie in the upper zone and be covered with at least 1 mm of Remmers Fine Render.

A waiting time of 1 day per mm should be observed before applying paint or wall paper.

## Notes

Initially set Remmers Fine Render cannot be made workable again by adding water or fresh mortar. Do not use at temperatures below +5°C. Lower temperatures accelerate, higher temperatures reduce working and setting time. Do not use Remmers Fine Render in direct sunlight. Protect from drying out too quickly, especially in sun, wind and drafts according to the rules of the trade. If necessary, moisten subsequently with misted water.

When executing render work, always observe DIN 18550 and DIN 18350.

Do not apply Remmers Fine Render to gypsum substrates.

## Tools and Cleaning

Mixing equipment, double-shaft mixer, mixing tool, trowel, wood or felted float.

Clean tools and equipment with water while the render is fresh.

## Packaging, application rate, shelf-life

### Packaging:

25 kg paper sacks

### Application rate:

Approx. 1.3 kg is needed for a 1 mm thick layer of render, on average 3.5 kg/m<sup>2</sup>.

### Shelf-life:

At least 12 months in closed bags, stored dry on wooden grids, protected from moisture.

## Safety, ecology, disposal

Further information concerning safety during transport, storage and handling as well as for disposal is found in the latest Safety Data Sheet.

The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet. Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general conditions of sale are valid. With the publication of this Technical Information Sheet all previous editions are no longer valid.

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