

Technical Information Sheet Article No. 0502/0515

Decorative Render L

Finish and decorative render

Finishing coat according to WTA Code of Practice 2-9-04/D. Factory-mixed, dry mortar with mineral binders such as hydrated lime (EN 459), white Portland cement (CEM I (DIN 1164) and mineral, light-weight aggregates

Range of use

Remmers Decorative Render L can be used as a finishing coat and decorative render in the Remmers Light-Weight Render and Remmers Heat Insulation Render Systems for repairs and the production of heat insulating render layers on old buildings, historical buildings, frame work houses, monuments and for new construction, interior and exterior. Because of its low weight per unit area and its favourable deformation behaviour, Remmers Decorative Render L can also be used on substrates of lower strength and load bearing capacity, e.g. historical buildings, aerated concrete and light-weight brick.

Remmers Decorative Render L is also suitable for the production of single-layer render coatings in a Spanish style or trowel structured render as well as for use as an undercoat render and decorative finish in a grooved and sprayed render structure on masonry work with heat insulating wall building materials, e.g. aerated concrete, light-weight brick, pumice stone, bloated clay / bloated slate and on load-bearing capable old render (the latter after setting up a trial area).

Characteristic data of the product

Bulk density:	approx. 0.8 kg/dm ³
Grain size:	up to 4 mm (Art. No. 0502) or up to approx. 2 mm (Decorative Render L "fine" Art. No. 0515)
Colour:	white

Requirement profile:

- WTA* Code of Practice 2-2-91 – "Restoration render systems" requirements for finishing coats
*Scientific-Technical Work Group for the Maintenance and Preservation of Buildings and Monuments e.V. (WTA)
- DIN 18550, part 4 render mortar group P I
- Compressive strength category CS I (DIN EN 998-1)
- Finishing coat render for the Remmers Heat Insulation Render System corresponding to DIN V 18550
- Water absorption coefficient $\leq 0.5 \text{ kg/m}^2 \times \text{h}^{0.5}$
- Water vapour diffusion resistance coefficient $\mu < 12$
- DIN 4102 Behaviour under fire - non-combustible building material, building material class A I

Property profile

Remmers Decorative Render L is a factory-mixed, cementitious, dry mortar which is ready-to-use after mixing with water, hydraulic setting. It can be worked by hand or with the usual render machines, e.g. mixing pump machines that use an agitator (see technical information "Machine Working with Render").

The render mortar is smooth, very easy to work and structure, green stable and high-yielding. When worked properly, it is suitable for a one-layered application thickness of up to 15 mm. Set Decorative Ren-

der L is water repelling and prevents heat loss caused by moisture penetration. It is water vapour permeable, has favourable deformation behaviour, low weight per unit area and is water, weather and frost resistant.



Substrate

The render base must be cementitious, load bearing capable and free of material that could interfere with the adhesion of the render (e.g. parting agents, loose material, dust, sanding, efflorescence, soiling). The rendering base may be dry or damp - in the latter case the surface should be air dry. Old and damaged render, coatings and paint must be removed. The adhesion capacity of moderate, evenly absorbent rendering bases can be improved by, for example, pre-wetting. Highly absorbent rendering bases, such as aerated concrete or pored brick should be primed with Hafffest thinned with water 1:1 to 1:2 (thinned dispersion primer). Load-bearing capable, cementitious old render should be primed with Remmers Silicate Strengthener. Mixed masonry is sprayed with a thin primer coat.

Directions

Pour approx. 6.5 litres of water in a clean container/mortar tub, add 16 kg Remmers Decorative Render L and mix thoroughly for approx. 2-3 minutes until homogenous with a mixer/paddle and the proper working consistency is achieved. Working time: approx. 1 hour, depending on the condition of the render base and ambient conditions.

After an eventually necessary pre-treatment of the render base, apply the mixed mortar by hand, or carry out the application with a rendering machine in a layer thickness of approx. 10 mm to a max. of 15 mm, one-layered. The applied Decorative Render L is smoothed with a wet aluminium lath/float. Decorative renders are applied at the earliest after 2 days to grain size with a smoothing float and structured with a wooden or plastic float. An undercoat of Remmers Render Priming Paint should be applied first, observing a waiting time of at least 8 hours. Remmers Decorative Render L can also be applied by machine (screw conveyor at one-fourth power) in a sprayed structure without a primer coating.

Notes

If the standing time of a hydrophobically formulated undercoat render is longer than 8 days, pre-wetting with a wetting agent is necessary. Stiffened mortar cannot be made workable again, neither with water, nor with fresh mortar.

Do not use at temperatures below +5° C. The times given are for the normal temperature range of +20° C. at approx. 65% relative humidity. Lower temperatures lengthen, higher temperatures reduce working and setting time. Protect Remmers Decorative Render L from drying out too fast, especially in sunlight and wind outdoors and in interior areas from drafts and thermal loads. If necessary, subsequently net with water. When carrying out render work, always observe DIN 18550.

Tools, cleaning

Rendering machine, mixing equipment with paddle, levelling lath (aluminium), trowel, smoothing float, wooden float, plastic float. Clean tools with water while fresh.

Packaging, application rate, shelf-life


Packaging:
16 kg paper sacks

Application rate:
Approx. 6 kg dry mortar per m² for a 10 mm layer thickness. As a decorative render approx. 2.5 kg dry mortar per m².

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

Safety, ecology, disposal

Further information on safety when transporting, storing and handling as well as on disposal and ecology is found in the latest Safety Data Sheet.

	
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EN 998 – 1	
Light-weight render mortar LW/CR for interior and exterior use	
Behaviour under fire (DIN 4102):	A 1
Water absorption:	W1
Water vapour premeability μ :	= 1
Adhesive pull strength:	= 0.08N/mm ² (bei Bruchbild B)
Compressive strength category:	CS 1
Durability (frost resistance):	NPD

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.

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0502-0515-TI-03.07



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