

# STEICO *secure* Render M (K)

Finishing render with scratch coat texture



- Suitable for external thermal insulation composite systems with mineral base coats
- For all mineral substrates
- Hardened finishing render according to EN 998-1

## Application area



- Mineral finishing render with scratch coat texture for exterior use

## Technical data

Reaction to fire	A1
Water vapour diffusion resistance factor $\mu$	$\leq 20$
Mortar class	P II / CS2
Solid mortar bulk density [g/m <sup>3</sup> ]	1.40
Flexural tensile strength (28 days) [N/mm <sup>2</sup> ]	21.90
Compressive strength (28 days) [N/mm <sup>2</sup> ]	3.20
Dynamic modulus of elasticity (28 days) [N/mm <sup>2</sup> ]	4500.00
Water absorption [kg/m <sup>2</sup> ]	$< 0,5 (W2) / c \leq 0,2$
Thermal conductivity [W/(m*K)]	$\leq 0,83$ for P=50 % / $\leq 0,93$ for P=90%
Yield [L/t]	760
Processing time [min]	with 20°C approx. 60 min

## Weight and packing

### Delivery in handy sacks

Colour shade	Grain size	Number/pal. [pcs.]	Weight/pcs. [kg]	Weight./pal. (approx.) [kg]	Consumption/m <sup>2</sup> [kg]
White	K 1.5	36	25.0	900	approx. 1.8
White	K 2.0	36	25.0	900	approx. 2.4
White	K 3.0	36	25.0	900	approx. 2.7
Toned C1 - C3	K 1.5	36	25.0	900	approx. 1.8
Toned C1- C3	K 2.0	36	25.0	900	approx. 2.4
Toned C1 - C3	K 3.0	36	25.0	900	approx. 2.7

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## Notes

### Storage

- Store in a dry place
- This product is chromate-reduced or low in chromate.
- Quality is guaranteed in the original container until the date indicated by the printed batch number.
- Explanation of the batch number: Number 1 = end number of the year, number 2 + 3 = calendar week Example: 5450013223 - Storage period until the end of week 45 in 2025.

### Ingredients

- Calcium carbonate, cement, calcium hydroxide, polymer powder, white pigments, thickener, hydrophobing agent, fibres

### Disposal

- Clean tools with water at regular periods during application and immediately after use
- The dirty water from cleaning the tools must be disposed of properly

### Processing

- Even stripping to grain size with a stainless steel trowel.
- Structuring with a plastic trowel, sponge rubber disk or polystyrene board / wooden trowel.
- The product can be sprayed with standard fine plastering machines.
- Tools must be cleaned with water regularly and immediately after use

### Occupational health and safety

- This product is a hazardous substance, observe the safety data sheet
- Wear a dust mask in case of high dust formation (mixing)
- Use gloves when applying the compound
- Observe hazardous substance labeling
- Observe the safety data sheet

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## Installation

- This document is based on the German technical data sheet and is intended for general information purposes in an international context. National regulations and building codes must be additionally observed.

### Substrate

- For finishing renders with a grain size below 2.0, the substrate evenness must be adapted to the planned finer surface finish. Additional substrate levelling measures may be necessary.
- The substrate must be firm, dry, clean and load-bearing and free of sintered layers, efflorescence and separating agents.
- Damp or incompletely set substrates can lead to damage such as blistering or cracks in the subsequent coatings.
- Check existing coatings for load-bearing capacity. Remove coatings that are not load-bearing.
- Substrate pre-treatment with primer is recommended.
- The material consumption depends, among other things, on processing, substrate and consistency.

### Application temperature

- Lowest substrate and air temperature: +5°C
- Upper substrate and air temperature: +30°C

### General application

- Not suitable for horizontal or inclined surfaces that are exposed to the weather
- Mixing ratio: 7.0 l water per 25 kg
- Working time at +20°C: approx. 60 minutes
- When preparing the material, add water and ready-mixed dry mortar. Mix for approx. 2 minutes, then leave to mature for approx. 5 minutes and then mix again for approx. 30 seconds.
- Do not use unprotected in the plinth area

### Drying, curing, recoating time

- The drying time depends on the temperature, wind and relative humidity.
- Suitable protective measures must always be taken in unfavourable weather conditions. (e.g. rain protection)
- Curing takes approx. 1 day per mm layer thickness, depending on weather conditions.
- At +20 °C air and substrate temperature / 65% relative humidity: Can be recoated after approx. 24 - 48 hours.

### Consumption

- The material consumption depends, among other things, on processing, substrate and consistency. The indicated consumption values are average values and are therefore for guidance only. Exact consumption values may have to be determined on site.

## Certificates and quality management



## ☰ Caption

### other abbreviations

- pal.** Pallet
- T&G** Tongue and Groove
- pac.** Packaging
- approx.** Approximately
- pcs.** pieces