

STEICO *secure* Render M (MP)

Tempered mineral finishing render



- Tempered mineral finishing render in accordance with EN 988-1 for STEICO*secure* ETICS
- For all mineral substrates
- Suitable for external thermal insulation composite systems with mineral base coats

Application area



- Mineral finishing plaster, as a modeling plaster for exterior use

Technical data

Reaction to fire	A1
Water vapour diffusion resistance factor μ	≤ 20
Mortar class	P II / CS II
Solid mortar bulk density [g/m ³]	1.50
Flexural tensile strength (28 days) [N/mm ²]	1.70
Compressive strength (28 days) [N/mm ²]	3.50
Dynamic modulus of elasticity (28 days) [N/mm ²]	4200.00
Water absorption [kg/m ²]	$< 0.5 (W_2) / c \leq 0.2$
Thermal conductivity [W/(m*K)]	≤ 0.83 for P=50 % / ≤ 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 ² [kg]
White	0,5	36	25.0	900	approx. 1.5 - 4.0 for smooth plaster, free plaster structure
Toned C1 - C3	0.5	36	25.0	900	approx. 1.5 - 4.0 for smooth plaster, free plaster structure

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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

- Full declaration according to the „natureplus®“ award guideline
- Calcium carbonate, cement, calcium hydroxide, polymer powder, white pigments, thickener, hydrophobing agent, fibres

Disposal

- Waste product must be disposed of in accordance with local regulations
- The dirty water from cleaning the tools must be disposed of properly

Application

- The product is applied evenly with a stainless steel trowel.
- Structure with a trowel depending on the desired surface structure, brush, texture roller, trowel, spatula, sponge, etc. The product is conditionally feltable.
- Tools must be cleaned with water regularly and immediately after use
- Clean tools with water at regular periods during application 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 labelling
- Observe the safety data sheet

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Processing

- 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

- The substrate must be sound, 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 processing

- Mixing ratio: 7.1 l water per 25 kg
- Working time: At +20°C: approx. 60 minutes
- For manual application, mix with approx. 7.1 l of water. Stir well again after approx. 5 - 10 minutes swelling time.
- For machine application, the amount of water added must be adjusted to the respective machine / pump.
- Layer thickness from min. 2 mm to max. 8 mm in some cases.
- During application, care must be taken to avoid air pockets in the substrate and plaster. These can lead to blistering.
- Do not model with tools that are too wet. Risk of staining.
- In cold, damp weather, efflorescence is possible with all hydraulically setting renders. These are not technical-functional defects and are not objectionable.
- Do not apply unprotected in the plinth area

Processing felted fine plaster surface

1st layer

- Apply the Render M (K) 1.5 mm grain finishing plaster to the prepared substrate using a stainless steel trowel to a grain thickness. Then lightly pre-structured with a plastic trowel
- Subsequently, excess paste and textured grains are worked into the surface to even it out. After drying, smooth the plaster surface with a surface with a wide spatula to remove any protruding grain tips.

2nd layer

- In the second layer, the modeling plaster is applied evenly with a layer thickness of just under 1 mm. After briefly setting the finishing plaster is evenly felted with a latex sponge disc. The latex sponge disc is repeatedly moistened with water (e.g. water spray bottle).
- In the case of felted or washed-out modeling plaster surfaces, the protection against algae and fungi is reduced. For optimum protection of the surface, two coats must be applied.
- The tools specified are recommendations
- in the same working method / layers, different tools (e.g. trowel, brush, trowel) can be used to create free plaster structures or smooth plasters

Drying, curing, recoating time

- The drying time depends on the temperature, wind and relative humidity.
- Suitable protective measures must always be taken in unfavorable 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: 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.

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Certificates and quality management



☰ Caption

other abbreviations

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