

STEICO *secure* Base

Mineral bonding and reinforcing mortar



- Mineral bonding and reinforcing mortar for STEICO*secure* ETICS.
- Suitable for reworking and leveling old renders

Application area



- Mineral adhesive and reinforcing mortar / undercoat plaster for exterior areas
- For bonding insulation boards and plaster base boards to mineral and organic, non-elastic substrates
- For creating thin-layer reinforcement layers and for reworking old plaster
- As an adhesive and reinforcing compound for external thermal insulation composite systems

Technical data

Reaction to fire	A2-s1, d0
Water vapour diffusion resistance factor μ	≤ 25
Mortar class	P II / CS IV
Solid mortar bulk density [g/m ³]	1.40
Flexural tensile strength (28 days) [N/mm ²]	2.90
Compressive strength (28 days) [N/mm ²]	7.40
Dynamic modulus of elasticity (28 days) [N/mm ²]	5800.00
Water absorption [kg/m ²]	$< 0,5 (W_2) / c \leq 0,2$
Thermal conductivity [W/(m*K)]	$\leq 0,45$ for P=50 % / $\leq 0,49$ for P=90%
Yield [L/t]	780
Processing time [min]	20°C approx. 60 min

Weight and packing

Delivery in handy sacks

Colour shade	Number/pal. [pcs.]	Weight/pcs. [kg]	Weight./pal. (approx.) [kg]	Consumption/m ² bonding [kg]	Consumption/m ² reinforcement [kg]	Consumption/mm layer thickness [kg/m ²]
white	36	25.0	900	approx. 7	approx. 6-8	approx. 1,28

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Notes

Storage

- Store in a dry place and protect from UV radiation.
- 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 no: Number 1 = final number of the year, number 2 + 3 = calendar week Example: 5450013223 - storage period until the end of 45th week in 2025

Ingredients

- Quartz, calcium carbonate, cement, polymer powder, calcium hydroxide, expanded glass, thickener, hydrophobing agent, fibers

Disposal

- Waste product must be disposed of in accordance with local regulations

Processing

- Clean tools with water at regular periods during application and immediately after use

manually:

- stainless steel trowel
- notched trowel: 10 x 10 mm
- Trowel with toothed strip, triangular teeth: 10 mm

by machine:

- Mix the plaster with a continuous mixer and then mix again.
- The plaster can be processed with a mixing pump (mixing pump with post-mixer)
- Interruption of work during mechanical processing: maximum 15

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

- The substrate must be firm, even, dry, load-bearing and free of grease, oil and dust.
- The doweling must be checked for suitability before fastening and bonding the wood fiber board on the wall
- Damp or incompletely set substrates can lead to damage such as blistering, cracks and subsequent coatings.
- Check existing coating for suitability and load-bearing capacity.
- Remove non-load-bearing coatings. If necessary, clean the substrate.

Application temperature

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

General application

- Mixing ratio: 6.3 l water per 25 kg
- Working time at +20°C approx. 60 min
- When preparing the material, add water and ready-mixed dry mortar. Mix for approx. 2 minutes, then allow to mature for approx. 3 minutes and then mix again for approx. 30 seconds.

Bonding wood fiber insulation boards

- Apply STEICO*secure* Base to the board surface with a trowel as a pressing or scratch coat
- Then use a notched trowel to apply the adhesive mortar to the entire surface of the insulation board in the respective layer thickness
- Immediately press or float the insulation boards into the fresh adhesive layer and press into place.
- After drying, fix to the substrate with ETICS anchors.
- Observe the national rules and regulations and manufacturer's instructions.
- Alternatively: bonding using the dot and bead method to the base insulation board. Adhesive surface proportion: at least 40%

Use as reinforcing render

- Apply the STEICO*secure* Base reinforcement plaster with a stainless steel trowel or notched trowel as a press/scratch coat
- First reinforcement layer thickness during application max. 6 mm
- To ensure an even layer thickness, remove the product with a notched trowel
- The profiles can now be embedded in the applied plaster; then allow to dry slightly
- Fill the dried toothed layer with STEICO*secure* Base and embed the reinforcing mesh
- The mesh joints must overlap by at least 10 cm
- Diagonal reinforcement in the form of reinforcement arrows must be used at building openings
- Arrange the mesh in the upper reinforcement layer so that it is completely enclosed and covered by at least 2 - 3 mm of reinforcement compound is
- Recommended average reinforcement layer thickness 5-7 mm
- After the reinforcing plaster has dried, apply the finishing plaster and smooth evenly to grain size
- Any ridges in the reinforcing render must be removed before applying the finishing render

Drying, curing, recoating time

- Drying time depends on temperature, wind and relative humidity
- In unfavourable weather conditions, suitable protective measures must be taken (e.g. rain protection).
- Curing takes approx. 1 day/mm layer thickness depending on weather conditions.
- At +20°C air and substrate temperature, recoatable after approx. 5-7 days at medium layer thickness

Consumption

- The material consumption depends, among other things, on the application, 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