

# STEICO *secure* Base Guard

Combination mortar with integrated moisture protection



- Combination mortar with integrated moisture protection for the plinth area
- For forming a three-dimensional second sealing layer under the window sill
- For bonding and reinforcing plinth insulation

## Application area



- Mineral, combination mortar with integrated moisture protection for the external plinth area
- For bonding insulation boards to mineral and organic substrates
- for bonding insulation boards to mineral building waterproofing and thick bitumen coatings
- as a bonding layer on mineral structural waterproofing and thick bitumen coatings
- as a three-dimensional second sealing layer under the window sill, Dry film thickness:  $\geq 4\text{mm}$

## Technical data

|  |  |
|--|--|
| Reaction to fire   | A2-s1,d0                                       |
| Water vapour diffusion resistance factor $\mu$               | 45   |
| Dry film thickness (min/max) [mm]                            | 4/10   |
| Mortar class   | CS IV  |
| Solid mortar bulk density [g/m <sup>3</sup> ]                | 1.50   |
| Flexural tensile strength (28 days) [N/mm <sup>2</sup> ]     | 5.60   |
| Compressive strength (28 days) [N/mm <sup>2</sup> ]          | 16.20  |
| Dynamic modulus of elasticity (28 days) [N/mm <sup>2</sup> ] | 9600.00  |
| Water absorption [kg/m <sup>2</sup> ]                        | Wc2  |
| Thermal conductivity [W/(m*K)]                               | $\leq 0,61$ for P=50 % / $\leq 0,66$ for P=90% |
| Yield [L/t]  | 720  |
| Processing time [min]  | with 20°C approx. 30 min                       |

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## Weight and packing

### Delivery in handy sacks

| Colour shade | Number/pal. [pcs.] | Weight/pcs. [kg] | Weight./pal. (approx.) [kg] | Consumption/ m <sup>2</sup> [kg] | Consumption/ m <sup>2</sup> bonding [kg] | Consumption/ m <sup>2</sup> reinforcement [kg] | Consumption/ m <sup>2</sup> finishing coat [kg] | Consumption/mm layer thickness [kg/ m <sup>2</sup> ] |
|--------------|--------------------|------------------|-----------------------------|----------------------------------|--|--|---|--|
| grey         | 36                 | 25.0             | 900                         | approx. 7,00                     | approx. 4,5-6,0                          | approx. 7,0                                    | approx. 1,5                                     | approx. 1,4  |

## 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

- Cement, polymer powder, mineral fillers, silicate fillers, thickeners, hydrophobing agents, defoamers, chromate reducers

### 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

#### by machine:

- Mix the plaster with a continuous mixer and then remix. (Hose length: maximum 20 m, hose diameter: 25 mm)
- The plaster can be processed with a mixing pump (mixing pump with post-mixer)
- Work interruption for machine processing: maximum 15 minutes

### 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, stable and free of grease and dust. Remove any non-load-bearing coatings.
- The suitability of the fixing method with the substrate must be checked separately on site if necessary. Damp or not completely set substrates can lead to damage such as blistering and cracks in the subsequent coatings.
- Check adhesion to polymer bitumen waterproofing membranes. If necessary, clean the substrate.

### Application temperature

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

### General installation

- Mixing ratio: 5.5 l water per 25 kg
- Working time: At +20°C: approx. 30 minutes
- When preparing the material, add water and ready-mixed dry mortar. Mix for approx. 2 minutes, then allow to mature for approx. 3 minutes, then mix again for approx. 30 seconds.
- The material consumption depends, among other things, on processing, substrate and consistency.
- During application, care must be taken to avoid air pockets in the substrate and plaster. These can lead to the formation of bubbles.
- Do not work 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 the product in direct sunlight

### Use as an adhesive mortar for ETICS / on mineral substrates -/ and waterproofing / bitumen thick coatings

- Apply STEICO *secure Base Guard* to the entire surface of the base insulation board or substrate with a notched trowel in the respective layer thickness.
- If necessary, secure with ETICS plugs to secure the layer / after drying and do not damage the waterproofing. Observe the national rules / regulations.
- Alternatively: Apply the product as a point-edge bond to the base insulation board. Adhesive surface proportion: at least 40%

### Use as reinforcing compound/base plaster

- Apply STEICO *secure Base Guard* with a steel trowel.
- First reinforcement layer thickness during application max. 6 mm
- To ensure an even layer thickness, remove the product with a notched trowel
- Allow the applied base render to dry slightly and then fill the toothed layer with STEICO *secure Base Guard*, with simultaneous embedding of the reinforcing mesh
- Overlap the mesh joints by at least 10 cm
- Reinforce diagonally at building openings, e.g. window reveals and door reveals
- Arrange the mesh in the upper reinforcement layer so that the mesh is covered by at least 2 - 3 mm of reinforcement compound
- Total reinforcement layer with mesh: max. 10 mm
- Apply the product again the next day at the earliest and after a drying time of at least 12 hours, and remove evenly to grain size
- Allow the surface to set and then revise with a fine sponge disc
- Allow the surface to dry completely and then apply two coats of paint

### Drying, curing, recoating time

- The drying time depends on the temperature, wind and relative humidity. In unfavourable weather conditions, suitable protective measures (e.g. rain protection) must always be taken on the facade surface to be treated or freshly applied.
- Curing takes approx. 1 day per mm layer thickness, depending on weather conditions.
- At +20 °C air and substrate temperature and 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.

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## Certificates and quality management



## ☰ Caption

### other abbreviations

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