# Exzellent STP Historic Feinputz

Fine rendering in the Exzellent STP lime render systemCement-free, hand-applied render

BE SURE. BUILD SURE.

## PRODUCT PROPERTIES

- One-component, moisture regulating, fungal-retarding
- Absolutely cement-free, 0 % cement content
- Contains natural hydraulic lime (NHL 3.5)
- Salt Transport Plaster and moisture regulation render
- Water- and salt-conveying due to special pore geometry
- Non-hydrophobized, open to water vapour diffusion
- Sustainable, no sacrificial render
- Low shrinkage
- Resistant to weathering, high-water and splash water
- Non-flammable according to EN 13501-1-building material class A1

## AREAS OF APPLICATION

- Permanent moisture regulation in interior and exterior areas
- Suitable for restoration of historic and heritage buildings
- Suitable for highly saline and moist brickwork with a moisture ratio of up to 95 %

## APPLICATION ADVICE

**Substrate preparation / Pre-wetting:** See leaflet ”General Application Advice Exzellent STP lime plaster system“. The substrate must be smoothed using a grid float prior to application. Prior to application of Exzellent STP historic Feinputz the substrate must be pre-wetted thoroughly. A closed water film must be avoided. When starting application the substrate should be slightly damp.

**Mixing:** Exzellent STP historic Feinputz is added to the prepared water under constant stirring and mixed until homogeneous and lump-free. The consistency is adjusted by adding powder, extra water must not be added. Double mixers must be used for mixing. Mixing by hand is not permitted. Mixing takes at least 2 minutes. Following a setting time of at least 5 minutes the material is stirred again for a few seconds.

**Render build-up:** Exzellent STP historic Feinputz is a fine rendering and part of the Exzellent STP lime plaster system. Exzellent STP finishing coats and Oxal restoration renders are suitable substrates. For detailed information on render build-up please request our special advice.

**Application:** Exzellent STP historic Feinputz is applied in two layers. The first layer is applied in a layer thickness of 2 to 4 mm and evenly spread on the surface. Following an adequate setting time the second layer can be applied in a layer thickness of 2 to 4 mm using a plasterer’s trowel or a float. The total layer thickness of 8 mm must not be exceeded.

**Surface finish:** See leaflet ”General Application Advice Exzellent STP lime plaster system“. The surface is finally finished in its own juice, without addition of extra water, using a foam rubber or felt float. Exzellent STP historic Feinputz must not be finished with a sponge board under any circumstances!

**Curing:** Exzellent STP historic Feinputz must be prevented from drying out too rapidly and protected from direct sun and wind exposure.

**General information:** Painting of finishing coats should be avoided, if possible, to not impair the high ”breathability“ of the render. If a coat of paint is required, do not use any vapour sealing paints or coatings under any circumstances. Only highly diffusible, silicate-based paint coats with the following characteristics are permitted: Diffusion resistance Sd-value: < 0.01 m.

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## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

| Characteristic | Unit | Value | Comments |
|---|---|---|---|
| Maximum grain size | mm | 0.4 | |
| Dry bulk density | kg/dm³ | approx. 1.2 | |
| Mixing ratio | kg/l | 25 : 5.3 - 5.8 | powder component : water |
| Air void content of the fresh mortar | % | ≥ 20 | |
| Working time | minutes | approx. 30 | at 20° C |
| Application conditions | °C | ≥ 10 ≤ 30 | air, substrate and material temperatures |
| Consumption | kg/m²/mm | 1.25 | |
| Layer thickness | mm | 2 | minimum layer thickness per pass/operation |
| | | 4 | maximum layer thickness per pass/operation |
| | | 4 | minimum total layer thickness |
| | | 8 | maximum total layer thickness |
| Thermal conductivity λ | W/m·K | 0.47 | |
| Resistance to water vapour diffusion Sd | m | < 0.05 | at 2 cm layer thickness |
| | All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity. | | |

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|---|---|
| Form | pulverous |
| Colour | natural white, other colours on request |
| Delivery form | 25 kg bag |
| Storage | Can be stored in cool and dry conditions for at least 12 months in original unopened packs. |
| Packaging disposal | Make sure single-use containers are completely empty. |



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