

# Exzellent STP Historic Feinputz

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



## 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.

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Maximum grain size	mm	0.4	
Dry bulk density	kg/dm <sup>3</sup>	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/m <sup>2</sup> /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.

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.

**Note:** The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2300018324]