

Exzellent STP 750

Fine render in the Exzellent STP system
Hand-applied render white



PRODUCT PROPERTIES

- One-component
- Salt Transport Plaster and moisture regulation render
- Moisture regulating, fungal-retarding
- Available in various colours
- 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

- Interior, exterior and base areas, permanent moisture regulation for all types of brickwork at old and new buildings - without extensive drying measures
- Suitable for highly saline and moist brickwork with a moisture content up to 95 %

APPLICATION ADVICE

Substrate preparation: See leaflet "General Application Advice Exzellent STP system". The substrate must be smoothed using a grid float prior to application.

Application / Pre-wetting: Prior to application of Exzellent STP 750 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 750 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 2 minutes. Following a waiting time of at least 1 minute the material is stirred again for 30 seconds.

Render build-up: Exzellent STP 750 is a fine render and part of the Exzellent STP render 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 750 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 system". The surface is finished in its own juice, without addition of extra water, using a foam rubber or felt float. Exzellent STP 750 must not be finished with a sponge board under any circumstances!

Curing: Exzellent STP 750 must be prevented from drying out too rapidly and protected from direct sun and wind exposure.

General information: Painting of final coats should be avoided, if possible, to retain 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 | 0.6 | |
| Dry bulk density | kg/dm ³ | approx. 1.4 | |
| Mixing ratio | kg:l | 23 - 25 : 5,3 | powder component : water |
| Working time | minutes | approx. 30 | at 20°C |
| Application conditions | °C | ≥ 5 ≤ 30 | air, substrate and material temperatures |
| Consumption | kg/m ² /mm | approx. 1.7 | |
| 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 | |
| Air void content of the fresh mortar | % | ≥ 10 | |
| 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 shade | grey, special colour on request |
| delivery form | Sack goods @ 25 kg |
| Storage | Can be stored in cool and dry conditions for at least 12 months in original unopened packs. Protect from frost. |
| packaging disposal | Make sure single-use containers are completely empty. Ensure compliance with our information leaflet "Return of Emptied Transportation and Sale Packaging". We will be glad to send you this on request. |

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. [2100004379]