

Exzellent STP 520

Spatterdash coat in the Exzellent STP system Hand- and machine-applied render grey

Product Properties

- One-component
- Salt Transport Plaster and moisture regulation render
- Moisture regulating, fungal-retarding
- Non-hydrophobized, open to water vapour diffusion
- Sustainable, no sacrificial render
- Low dead load
- Low shrinkage
- Resistant to weathering, high-water and splash water
- Non-flammable according to EN 13501-1-building material class A1

Areas of Application

- Suitable as a bonding coat for smooth substrates
- 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

Substrate preparation / Pre-wetting

See leaflet "General Application Advice Exzellent STP system". Prior to application of Exzellent STP 520 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 520 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 520 is a spatterdash coat and part

of the Exzellent STP render system. Drying times must be observed. Application of fully covering layers is not permitted. For detailed information on render build-up please request our special advice.

Application

See leaflet "General Application Advice Exzellent STP system". Exzellent STP 520 may be applied by hand.

50 % of Exzellent STP 520 is applied by spatterdash-method, e. g. using a brush. The preparatory render provides mechanical bond between substrate and coat. Following a sufficient drying time the surface is overcoated with an Exzellent finishing coat.

Curing

Exzellent STP 520 must be prevented from drying out too rapidly and protected from direct sun and wind exposure.

Technical Data for Exzellent STP 520

Characteristic	Unit	Value*	Comments
Largest grain size	mm	2.2	
Dry density	kg/dm ³	approx. 1.6	
Coverage	kg/m ²	approx. 5	50 % spatterdash coating
Application time	minutes	approx. 30	at + 20 °C
Overcoating time	hours	24	preparatory render/ finishing coat (at + 20 °C)
Air void content of the fresh mortar	%	≥ 18	
Thermal conductivity λ	W/m·K	0.67	
Application temperature	°C	+ 5 to + 30	air-/material-/substrate temperature
Mixing ratio	kg : l	23 - 25 : 5	Exzellent STP 520 : water

Product Characteristics for Exzellent STP 520

Colour	grey
Delivery	25 kg bags
Storage	Can be stored in cool and dry conditions for at least 12 months in originally sealed packs.
Disposal	Packs must be emptied completely.

* All technical values are lab values and have been determined at + 23 °C and 50 % relative humidity.

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 12/18. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.