satex
Spezialist Für Bau Technik

Sate Plan20

Plastic modified floor self levelling compound up to 20 mm

Properties

Sate Plan20 is a self levelling, hydraulically setting and highly plastic modified floor compound for a layer thickness up to 20 mm. Sate Plan20 is applied to concrete and floor screed surfaces and reaches early strengths. The powder is mixed with water on site to form a highly flowing and self leveling compound.

It has high adhesive, compressive and tensile strengths. Layer thickness up to 20 mm in one operation. Low shrinkage and crack free curing. Floor covering (such as with ceramic tiles) after 4 - 6 hours and open to pedestrian traffic after 2 - 4 hours. It can be used without any additional floor covering.

Area of applications

Sate Plan20 is suitable as a self levelling underlayment for application to any unlevel mineral substrates indoors:
' floor screed ' concrete.

Product Data

Base	combination of inorganic binders, selected silica sands, powder synthetics, special additives
Colour	grey
Bulk density of powder	approx. 1.2 kg/dm^3
Density of the mixed mortar	approx. 2.0 kg/dm^3
Consistency of the mixed mortar	flowing
Mixing ratio	25 kg = 1 bag of Sate Plan20 + 5.6-6.2 l of water
Ripening time	2 minutes
Application temperature	+5°C through +30°C (air and substrate)
Application	pouring, broom, floor-screed smoothing trowel, spike roller
Layer thickness	up to 20 mm
Time available for application*	approx. 30 minutes at +20°C
Open to moderate pedestrian traffic	after 2 to 4 hours*
Bonding of flooring materials (such as ceramic tiles)	after 4 to 6 hours* insensitive to moisture
parquet, carpeting or synthetic flooring materials	after 1 to 2 days*
Open to vehicular traffic	after 24 hours with rubber tired equipment
Consumption	approx. 1.5 kg/m2 and per mm

*Depending on temperature, this period may be longer or shorter.

Working instructions

Preparation of substrates
The substrate must be sound as well as free from dust, oil and grease. Close cavities or holes deeper than 20 mm with Sate Plan20 mixed with 30 to 50 % in weight of sand (0 to 2 mm grain size) beforehand. Prewet weakly absorbent substrates with water to saturation. Prewet again in case of highly absorbent substrates again to avoid the formation of air bubbles. Remove any excess water with a squeegee. Then pour Sate Plan20 onto the still slightly moist substrate (rather too dry than too moist).

Mixing
Add 25 kg = 1 bag of Sate Plan20 to 5.6 - 6.2 litres of water in a clean mixing container The observance of the mixing ratios is absolutely required. Thoroughly mix with an electric drill for a minimum of 3 minutes to obtain a freeflowing and homogeneous mortar. After a ripening time of 2 minutes, mix Sate Plan20 again shortly at low speed.

Application
Immediately after mixing, pour Sate Plan20 onto the prepared substrate and allow to self level up to the required layer thickness. Ensure that subsequent mixes are ready to enable continuous pouring until the designated area is completely leveled. Good site organisation will prevent the formation of joints which must be retouched with a spiked roller or a smoothing trowel if required. Sate Plan20 is self leveling when spreaded. An additional treatment of the surface with a spiked roller during application will decrease the expenditure of work required for spreading and provide very even surfaces.

Consumption

Approx.1.5 kg powder per m^2 and mm.

Delivery and storage

Sate Plan20 is delivered in 25 kg bags. Can be stored dry and in original sealed packing for at least 12 months.

Notes

This data sheet is based on comprehensive experiences, intends to inform to the best knowlodge, is not legally binding and does not constitute a contractual legal relationship or a side obligation from the purchase agreement. We guarantee for the quality of our product under our terms and conditions of sale and purchase. In to reduce the risk of error, limiting information is also stated. We reserve the right to make changes representing technical progress. This data sheet supersedes all earlier technical data on this product.

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