

DATASHEET

Servoflex K-Schnell SuperTec

Fast-setting flexible thin set and medium bed mortar

- fast-setting, fast curing
- covering is ready for light traffic and can be grouted after approx. 2 hours
- for interior and exterior applications
- also for porcelain stoneware installations
- as thin and medium bed mortar
- extended coverage
- adjustable mortar consistency
- thickness up to 15 mm
- non-sag properties
- SuperTec-technology for dense mortar matrix
- self-curing characteristics



SuperTec



PRODUCT DESCRIPTION

Fast-setting, flexible, cement-based thin set and medium bed mortar according to EN 12004 C2 FT-S1 for interior and exterior ceramic and quarry tile installations, porcelain stoneware, natural stone, porcelain mosaic, clinker and brick tile as well as insulation board. Specifically designed for large format tile installation. Can be used over calcium sulphate screeds primed with **Okatmos® UG 30**. Coverings installed with **Servoflex K-Schnell SuperTec** are ready for light traffic and can be grouted after approx. 2 hours. Because of its high polymer content **Servoflex K-Schnell SuperTec** can also be used on substrates such as in-situ concrete (at least 3 months old), gypsum fibre board, gypsum board and sheet rock, over heated screed (please follow regulations and data sheets), poured mastic asphalt, insulation board, autoclaved aerated concrete (AAC) as well as over balconies, patios and exterior walls.



SUBSTRATE PREPARATION

The substrate must be ready for installation, dry, clean and load bearing. If installation occurs on shrinking substrates frequent expansion joints should be included in the layout. Prime absorbent substrates in interior areas with **Okatmos® GGS** or **Okatmos® UG 30**. Allow a drying time of at least 24 hours over calcium sulfate screed or prime with **Okamul PU-V schnell** or **Okapox GF**. In exterior areas prime with **Okatmos® UG 30**. On old coverings apply a water proofing membrane with **Servoflex DMS 1K Plus SuperTec** or **Servoflex DMS 1K-Schnell SuperTec**.

PROCESSING

Mix **Servoflex K-Schnell SuperTec** with clean water to a smooth texture. Allow mixture to slake for approx. 5 minutes and mix again. Apply a contact layer on the substrate. Use appropriate notched trowel (see table) to apply mortar. Slide the covering material into the adhesive bed within 20 minutes and press tightly. Depending on the absorbency of the substrate/covering corrections can be made within approx. 10-20 minutes. Do not use dried up mortar remains.



SPECIFICATIONS

Color	grey
Application	interior, exterior**, walls and floors, submerged app.**
Thickness	max. 15 mm (9/16") (as leveling layer)
Application temperature	+5 °C to +25 °C (41 °F to 77 °F) (substrate)
Temperature tolerance	-20 °C to +100 °C (-4 °F to 212 °F)
Water demand	stable consistency approx. 5,2 l/20 kg (1,37 US gal.) wet consistency approx. 6,8 l/20 kg (1,8 US gal.)
Slack time	approx. 5 minutes (remix)
Processing time*	approx. 30 minutes
Open time (working)	approx. 20 minutes
Ready for grouting*	after approx. 2 hours
GISCODE	ZP 1 " low in chrome according to TRGS 613
EMICODE	EC1 ^{Plus} (GEV)
Storage	store in dry place, in unopened original bag for up to 6 months

* At 68 °F (+20°C) und 65 % relative humidity

Higher temperatures and lower humidity decreases, lower temperature and high humidity increase this value respectively.

** Avoid air entrapment doing exterior installations. Apply mortar on substrate and the backside of tiles (buttering-floating procedure).



COVERAGE

Tools and coverage according to DIN 18 157, part 1

Maximum tile dimensions	Square notched trowel size	Coverage (powder)
Up to 2" (< 50 mm)	1/8" x 1/8" x 1/8" (3mm)(TKB C3)	approx. 0,8 kg/m ²
2 " 4" (51 " 108 mm)	4 mm (or equivalent)(TKB C1)	approx. 1,0 kg/m ²
4 " 8" (109 " 200 mm)	Â¼" x Â¼" x Â¼" (6mm) TKB C2	approx. 1,6 kg/m ²
Over 8" (> 200 mm)	Min. 8 mm (or equivalent)(TKB C4 and bigger)	approx 2,2 kg/m ²

Coverage is approximate and is given for estimating purposes only. It may vary according to substrate conditions and other factors.

CLEANING

Clean tools and tile surface with water immediately after usage.

PACKAGING

54 x 20 kg (44 lbs.) paper bags

The aforementioned information, especially the proposals for processing and utilizing our product, is based on our knowledge and experience. We recommend that you carry out your own tests in every case to ensure the suitability of our products for the intended process and processing purposes because of the different materials and the working conditions which lie beyond our area of influence. No liability can be derived from this advice or from verbal advice, unless we are responsible for (criminal) intent or gross negligence in this respect.

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