

## DATASHEET

### Servoflex K-Plus SuperTec

Premium flexible thin set mortar

- high polymer content, no liquid additive necessary
- superior sag resistance and bond strength
- also for critical substrates and dense covering materials
- excellent mortar transfer
- tested by external testing facility
- extended pot life and open time
- excellent coverage
- secure curing even under cool temperatures
- for interior, exterior und submerged installation
- SuperTec-technology for dense mortar matrix
- self-curing characteristics



**SuperTec**



Ideal for  
**Okalift SuperChange**



## PRODUCT DESCRIPTION

Extremely sag resistant, flexible cement-based thin set mortar for interior, exterior and submerged ceramic and quarry tile installations, porcelain stoneware, porcelain and glass mosaic, clinker and brick tile according to EN 12 004 C2FTE-S1. Secure curing even with colder temperatures and dense materials.

Because of its high polymer content the adhesive can also be used over substrates such as in situ concrete (at least 3 months old), gypsum fiber board, sheet rock, heated screed (follow corresponding regulations and data sheets), poured mastic asphalt and autoclaved aerated concrete (AAC) as well as balconies, patios and exterior walls. **Servoflex K-Plus SuperTec** can also be used for submerged applications (swimming pools) and as bonding support for natural stone and porcelain stoneware installations in mortar beds. For this purpose back-buttering method is required. After back-buttering method slide the tile it into the thick bed mortar.

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## 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 and prime with **Okapox GF** for mortar layers thicker than 3/16" (5 mm) or apply leveling layer with **Servoflex K-Plus SuperTec**.

Prime non-absorbent substrates with **Okatmos® UG 30**. In exterior areas apply a contact layer of adhesive mortar and let it set.

## PROCESSING

Mix **Servoflex K-Plus SuperTec** with clean water to a smooth texture. Allow mixture to slake for approx. 5 minutes and stir again. Use appropriate notched trowel (see table) to apply mortar onto substrate, slide the covering material into the adhesive bed within 30 minutes and press tightly. Depending on the absorbency of the substrate/covering corrections can be made within 25 minutes.



## SPECIFICATIONS

Color	grey
Application	interior, exterior and submerged app.**, walls and floors
Thickness	max. 3/8" (10 mm)(as leveling layer)
Application temperature	41 °F to 77 °F (+5 °C to +25 °C)(substrate)
Temperature tolerance	-4 °F to 176 °F (-20 °C to +80 °C)
Water demand	approx. 2.4 US gal./55 lbs. powder (approx. 9.0 l/25 kg) approx. 0.5 US gal./11 lbs. powder (ca.1.8 l/5 kg)
Slack time	approx. 5 minutes (restir)
Processing time*	approx. 3 hours
Open time (working)	approx. 30 minutes
Ready for grouting*	after approx. 12 hours
GISCODE	ZP 1 - low in chrome according to TRGS 613
EMICODE	EC 1 <sup>Plus</sup> according to GEV
Storage	store in unopened packaging in a dry area for up to 12 months

\* At 68 °F (+20 °C ) and 65% relative humidity.

Higher temperature and low humidity decreases,  
lower temperature and high humidity increases  
this value respectively.

\*\* Avoid air entrapment doing exterior and underwater installations.

Apply mortar on substrate and the backside of tiles (buttering-floating procedure).



## COVERAGE

Tool 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" (3 mm)	approx. 0.8 kg/m <sup>2</sup> (200 sq. ft. per bag)
2 - 4" (51 - 108 mm)	4 mm (or equivalent)	approx. 1.0 kg/m <sup>2</sup> (161 sq. ft. per bag)
4 - 8" (109 - 200 mm)	1/4" x 1/4" x 1/4" (6 mm)	approx. 1.6 kg/m <sup>2</sup> (107 sq. ft. per bag)
over 8" (> 200 mm)	min. 8 mm (or equivalent)<	approx. 2.2 kg/m <sup>2</sup> (90 sq. ft. per bag)

Quantities are approximate and are given for estimating purposes only.

They may vary according to substrate conditions and other factors.

## CLEANING

Clean tools and tile surface immediately with water.

## PACKAGING

42 x 55 lbs (25 kg) paper bags

50 units with 4 x 11 lbs (5 kg) 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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