

DATASHEET

Servolight S1 SuperTec

Extended Coverage
Flexible thin-set Mortar

- approx. 30 % increased coverage than standard thin set
- improved flexural strength
- easy application
- excellent non-sag characteristics



SuperTec

PRODUCT DESCRIPTION

New generation of cement-based flexible thin set mortar with extended coverage, excellent bonding strength and easy handling according to EN 12 004 C2 TE-S1. For almost all substrates in interior and exterior applications. For almost all covering materials, including ceramic and quarry tile installations, porcelain stoneware, porcelain and glass mosaic, clinker and brick tile. Because of its high polymer content, the adhesive can also be used over substrates such as in situ concrete (at least 3 months old), prefabricated concrete elements, 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. **Servolight S1 SuperTec** can also be used for under water installations (swimming pools), even of glas mosaic and can be used to fill holes and level substrates up to 3/4" (15 mm) thickness.

Meets and exceeds german industrial standard for flexible tile adhesive "Richtlinie für Flexmörtel" and ANSI A 118.4.

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SUBSTRATE PREPARATION

The substrate must be ready for installation, dry, clean and has to have enough load-bearing. If installation occurs on shrinking substrates, frequent expansion joints should be included in the layout. In exterior areas apply a contact layer of adhesive mortar and let it set. Prime absorbent substrates in interior areas with **Okatmos® GG, Okatmos® UG 30** or **Okatmos® DSG**. Allow drying time over calcium sulfate screed or prime with **Okamul PU-V schnell**. Clean non-absorbent substrates like Terrazzo, ceramic tiles or existing sound and load bearing PVC-coverings with a suitable alkaline cleaner, grind and clean with heavy duty vacuum cleaner. Then prime with **Okatmos® UG 30/Okatmos® DSG**. Metal surfaces like steel, galvanized steel or aluminum in interior applications have to be form stable (no vibration or flexural stress) and rust free. Remove grease with acetone and prime with **Okatmos® UG 30/Okatmos® DSG**. Wood substrates have to be dry (moisture content less than 10 %) and thoroughly fixed to the substrate (minimum spacing between screws 15" (40 cm)). Minimum thickness on floors 1" (25 mm), 3/4" (19 mm) on walls. Tongue and groove have to be glued. Allow particle board primed with **Okatmos® UG 30/Okatmos® DSG** to dry for at least 24 hours.

In exterior areas, prime mineral substrates with **Okatmos® UG 30** or **Okatmos® DSG**, on old coatings on horizontal surfaces prime with **Okatmos® UG 30** or **Okatmos® DSG** and apply bonded waterproofing **Servoflex DMS 1K-schnell SuperTec** or **Servoflex DMS 1K Plus SuperTec**.

PROCESSING

Mix **Servolight S1 SuperTec** with clean water to a smooth texture. If necessary, adjust mortar consistency by adding small quantities of water. 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 approx. 25 minutes.

SPECIFICATIONS

Color	grey
Application	interior, exterior and underwater, walls and floors **
Thickness	max. 9/16" (15 mm)
Application temperature	41 °F - 77 °F (+5°C bis +25°C)(substrate)
Temperature tolerance	-4 °F to 176 °F (-20°C to +80°C)
Water demand	approx. 2.1 US gal./bag (approx. 8,0 l/15 kg powder)
Slack time	approx. 5 minutes (restir)
Processing time*	approx. 3 hours
Open time (working)	approx. 30 minutes
Walkable* / ready for grouting*	after approx. 12 hours
GISCODE	ZP 1 - low in chrome acc. to TRGS 613
EMICODE	EC 1R ^{Plus} (GEV)
Storage	store in dry area, unopened packaging approx. 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 backside of tiles(buttering-floating).

COVERAGE

Coverage depends on substrate condition and other factors.

Maximum tile dimensions	Square notched trowel size	Coverage (powder)
up to 2" (< 50 mm)	1/8" x 1/8" x 1/8" notch #E3 (3 mm)	230 sqft. per bag (approx. 0,7 kg/m ²)
2 - 4" (51-108 mm)	3/16" x 3/16" x 3/16" notch #E4 (4 mm)	180 sqft. per bag (approx. 0,9 kg/m ²)
4 - 8" (109 - 203 mm)	1/4" x 1/4" x 1/4" NTCA G3 (6 mm)	124 sqft. per bag (approx. 1,3 kg/m ²)
8 - 10" (203 - 254 mm)	5/16" x 5/16" x 5/16" (8 mm)	90 sqft. per bag (approx. 1,8 kg/m ²)
over 10" (> 254 mm)	3/8" x 3/8" x 3/8" or equivalent or larger (min. 10 mm)	(approx. 2,3 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 immediately with water.

PACKAGING

Product description	Item no.	Item no.
54x 15 kg paper bags	13096	4015705130965

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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