

DATASHEET

Servoflex DMS 1K-schnell SuperTec

Fast-setting, flexible, one-component, cement-based waterproofing membrane

- easy and fast application
- fibreless, one-component waterproofing membrane
- flexible and crack isolation characteristics
- extended coverage
- for interior and exterior applications
- as bond seal under ceramic coverings
- suitable for radiant floor heating systems
- tested and approved by Material Testing in Braunschweig
- can be worked over after 2 hours
- fast-setting, even at colder temperatures



SuperTec

PRODUCT DESCRIPTION

Fast setting, cementitious flexible waterproofing membrane for sealing buildings against surface water as well as water under pressure. The thin layer enables **Servoflex DMS 1K-schnell SuperTec** to offer constructional advantages: It is also suitable to use as a seal internally and externally on wall surface and floor surface in a composite construction under natural dressed stone (ashlar) coverings and ceramic coverings of new buildings and old buildings. It is suitable to use as a substrate according to the moisture-loading class, e.g., plasters in Mortar Groups II & III (DIN 18 550 Parts 1 & 2), concrete (DIN 1045), aerated concrete building boards (DIN 4166), cavity wall building boards made from lightweight concrete (DIN 18 148) or cement screeds, cast asphalt screeds and calcium-sulphate screeds (DIN 18 560).

Servoflex DMS 1K-schnell SuperTec provides thin structured uncoupling characteristics and reduces tensions.

Servoflex DMS 1K-schnell SuperTec can be used in residential and commercial swimming pools on wall and floor surfaces. The height of the tank must not exceed 4.0 m. When exceeding heights of the pool basin

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between 4-10.0 meters use **Okapox GF-M** or **Okapox royal** to adhere **Kiesel based sealing/waterproofing tapes** and **sealing flanges**, including shocks exposed elements.

Suitable substrates depending on the levels of humidity, for example: plasters of mortar groups II + III (DIN 18 550 part 1 + 2), concrete (DIN 1045), poured concrete (DIN 4166), are made from lightweight structural concrete walls (DIN 18 148) or cement, mastic asphalt and calcium sulphate screeds (DIN 18 560).

Servoflex DMS 1K-schnell SuperTec meets the requirements of the TDS of the German Association of Tiles and Natural stone on the subject "bonded waterproofing" and "Swimming pools". These recommendations and the guidelines regarding proper drainage systems must be observed. Use only as product solution with the below listed adhesive mortars in accordance to "General Building Supervision Certificate" with the test number P-5182/618 / 10th MPA BS of Materials Testing for building TU Braunschweig.

ServoStar® 2000 Plus Flex

Servoflex-Trio-SuperTec

ServoStar® 1500

ServoStar® 5000

ServoStar® 4000 Flex

Servoflex K-Plus SuperTec

Servoflex 5 royal

SUBSTRATE PREPARATION

The dry or moist substrate must have a clean, sound, fine-pored and largely flat surface. Treat the surface by abrasive blasting (water or sand blasting) or by sanding/grinding it down. Prepare and patch any holes, voids or cracks in a separate working operation, e.g., with **Servocret RS**. Small holes and indentations can also be retouched on account of the high stability. Pre-coat any non- absorbent substrates with **Okatmos® UG 30**. **Okatmos® UG 30** is also suitable on absorbent, dry substrates on external areas. Concrete walls in submersed areas must be roughened in order to improve the adhesion, e.g., by sanding-blasting. Primer any old, sound, floor tile coverings that are free of cracks and prime exterior and interior areas with **Okatmos® UG 30**.

Prime decorative surfaces such as **ServoArt®**, Stucco with undiluted **Okatmos® UG 30** and apply **Servoflex DMS 1K-schnell SuperTec** and let it dry completely.

PROCESSING

Mix **Servoflex DMS 1K-schnell SuperTec** lump-free with clean and cool water. Mix again after about 5 minutes of slake-time. Apply with specified notch trowel spreading and knocking down the notches immediately.

In the submerged areas use 3 mm square notched trowel, second and third application 4 mm square notched trowel. Then pull the webs smooth. Control the overall thickness while is wet.

To avoid cracking in corners, use the waterproofing tape or interior/exterior corners and embed them in to the fresh waterproofing membrane. For additional sealing of pipe protrusions and drainage system use waterproofing sleeve "wall" and "floor" and embed them in to the fresh waterproofing membrane following with



a top coat.

Waterproofing tape joints must be overlapped at least 6 cm.

At a water depth exceeding 4.0 meters use waterproofing band and with **Okapox GF-M** or **Okapox royal**. Spread oven-dried quartz sand on its surface.

Preferably use only floor drains with fixed and loose flange.

Mix **Servoflex DMS 1K-schnell SuperTec** to a spreadable consistency and imbed floor sleeve immediately. Use **Okamul PU-EM** when dealing with metal or smooth surface artificial substrates.

SPECIFICATIONS

Color	grey
Application	interior
Ready for exposure to rain *	approx. after 8 hours
Dichte	1,4 g/cm ³ (mixed material)
Application temperature	41°F to 86°F (+5°C to +30°C) (substrate)
Temperature tolerance	-4°F to 176°F (-20°C to +80°C)
Water demand	spreadable: approx. 1.2 US gal./33 lbs bag (approx. 4.5l/15 kg powder)brushable: approx. 1.5 US gal./33 lbs bag (approx. 5.7 l/15 kg powder)
Slack time	approx. 5 minutes (re-stir)
Processing time*	approx. 30 minutes
Drying time*	approx. 2 hours before next layer
Walkable* / ready for installation*	approx. after 2 hours
Ready for exposure to rain *	approx. after 8 hours
GISCODE	ZP 1 - low in chrome according to TRGS 613
Storage	store in a dry place for up to 6 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.

EMICODE	EC 1 ^{Plus} according to GEV
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COVERAGE

approx. 150 sq. ft. per 33 lbs. (15 kg) bag approx.
1.1 kg/m² per mm thickness for each layer



CLEANING

Clean tools with water immediately after application

PACKAGING

54 x 33 lbs. (15 kg) 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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