

## DATASHEET

### Servofix HBF SuperTec

Fast setting high resistance grout

- high mechanical strength and abrasion resistance
- SuperTec-technology for dense mortar matrix
- complies with the Austrian norm for the salt resistance of concrete
- increased resistance against acids and alkaline solutions
- increased resistance against the high-pressure washer
- reliable curing at low temperatures
- for interior and exterior applications
- frost resistant
- for saltwater and chlorine-based pools\*
- Self-curing characteristics



**SuperTec**

Ideal for  
**Okalift  
SuperChange**



## PRODUCT DESCRIPTION

Fast setting, high strength, cement-based grout for joint widths of 1/8" to 5/8" (3 to 15mm). SuperTec-technology provides a dense cement matrix with excellent properties against mechanical strength/stress and abrasion resistance. A specially formulated cement mixture provides a dense mortar matrix and high resistance against chemical cleaners compared to traditional cement grouts.

**Servofix HBF SuperTec** is suitable for coverings like porcelain stoneware, stoneware, clinker and alike or suitable natural stone on form stable substrates in interior and exterior applications.

**Servofix HBF SuperTec** is specially developed for applications in mechanical high-stress areas like workshops, car wash places, swimming pools and other commercial and industrial areas.

Its excellent processing characteristics and quick and secure hardening process prevent wash-out of joints.

Servofix HBF SuperTec does not cause quick water absorption by absorbent tile material and cures well even in colder temperatures.

Kiesel Bauchemie GmbH u. Co. KG  
Wolf-Hirth-Straße 2  
D-73730 Esslingen  
Phone: 0711 93134-0  
Fax: 0711 93134-140  
www.kiesel.com  
Stuttgart District Court HRA 210806

CEO:  
Beatrice Kiesel-Luik  
Dirk Schulze  
Dr. Matthias Hirsch

Personally liable partner::  
Kiesel Verwaltungsges. mbH  
Stuttgart District Court HRB 210484  
Registered Office of the company:  
73730 Esslingen



Test reports for installation in drinking water environments or contact with food are available.

## PROCESSING

For uniform results use only products with the same batch number. Before grouting the mortar must be almost completely cured and dry, the joints must be clean and equally deep. Mix Servofix HBF SuperTec with clean, cold water to a paste-like grout compound of uniform colour.

For application on walls adjust consistency by reducing the water ratio. Fill joints first crossways and then diagonally. As soon as the grout starts to dry, wipe with a sponge and as little water as possible. The grout has dried sufficiently when it can only be pressed in slightly with the fingertip. Remove excess grout from tile immediately. If necessary, wipe grout remains with sponge within 1 hour. Do not dust uncured joints with grout powder. Do not use dried up grout remains.

Avoid direct sun exposure and draught during the curing and installation process.

It is recommended to cover freshly grouted exterior areas and non-absorbent material with plastic foil to keep the grouted area moist.

To avoid staining: Low temperature delays the hardening process and may cause colour variations. Ground moisture can cause efflorescence and discoloured joints. Scrubbing and cleaning the dried joints with highly diluted, acidic cleansers has proven to be very effective. Wet the joints before applying cleanser. Work from top to bottom on walls and avoid puddles on the bottom. Servofix HBF SuperTec is a cement-based product and therefore not entirely resistant to aggressive cleansers and water with high chloride content.

\*Contact Kiesel technical department for further information.

\*Contact Kiesel technical department for further information.

## SPECIFICATIONS

Color	medium gray
Application	interior, exterior, walls and floors
Joint widths	1/8" to 5/8" (3 - 15 mm)
Application temperature	41 °F to 77 °F (+5 °C to +25 °C )(substrate)
Temperature tolerance	-4 °F to 482 °F (-20 °C to +250 °C )
Water demand	approx. 1.3 US gal. per bag approx. 5.0 l per bag
Processing time*	approx. 40 minutes
Walkable*	after approx. 2 hours
Chemical resistance*	after approx. 14 days
Mechanical resistance *	after approx. 7 days
Ready for exposure to rain *	after approx. 3 hours
GISCODE	ZP 1 - low in chrome according to TRGS 613



EMICODE EC 1<sup>Plus</sup> according to GEV

Storage store in a dry area for up to 9 months

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

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

**IMPORTANT NOTICE**

Chemical resistance acids

<b>acids</b>	
--------------	--

formic acid <= 3 %	conditionally resistant
acetic acid <= 2 %	resistant
acetic acid <= 5 %	conditionally resistant
lactic acid <= 5 %	conditionally resistant
hydrochloric acid <= 2 %	conditionally resistant
sulphuric acid <= 2 %	not resistant
tartaric acid <= 5 %	conditionally resistant
citric acid <= 2 %	resistant
citric acid <= 5 %	conditionally resistant
phosphoric acid <= 2 %	resistant
phosphoric acid <= 5 %	conditionally resistant

Chemical resistance base and oil

<b>alkaline</b>	
ammonia <= 25 %	resistant
calcium hydroxide <= 10 %	resistant
caustic potash <= 10 %	resistant



caustic soda <= 10 %	resistant
<b>oil</b>	
heating oil	resistant
hydraulic oil	resistant
engine oil	resistant
cooking oil	resistant
<b>solvent</b>	
acetone	resistant
ethyl alcohol	resistant
isopropyl alcohol	resistant
xylene	resistant

**COVERAGE**

approx. 2,5 kg/m<sup>2</sup> ; tile size 11,5 cm x 24 cm  
 approx. 0,8 kg/m<sup>2</sup>; tile size 20 cm x 20 cm

**CLEANING**

Clean tools and tile surface immediately with water.

**PACKAGING**

42 x 25 kg (55 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.

Revised: 07/18/2019/me-dj