

PRODUCT DATA SHEET

Sikafloor® QuartzTop-100

Mineral dry-shake surface hardener for industrial floors.

DESCRIPTION

Sikafloor® QuartzTop-100 is a pre-mixed, dry-shake surface hardener, which contains hydraulic binder and high concentration of special graded mineral aggregates. Sikafloor® QuartzTop-100 contains pure silica sand.

Please note: The Product may only be used by experienced professionals only.

USES

Sikafloor® QuartzTop-100 is recommended for industrial floors with light to moderate traffic in:

- basements and cellars
- mechanical workshops
- garages for passenger cars
- storage rooms
- corridors, halls
- educational facilities
- parking areas
- loading platforms

PRODUCT INFORMATION

Packaging	Sikafloor® QuartzTop-100 is packaged in 25 kg moisture resistant bags and big-bags
Appearance and colour	ready to use grey powder cementgrey, colors see color-chart
Shelf life	Sikafloor® QuartzTop-100 can be stored for 18 months in the tightly closed original packages. Do not use the product if bag is damaged.
Storage conditions	The Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C. Always refer to the packaging. Kept frost-free and dry.
Grain size distribution	0 – 1,4 mm
pH-Value	> 12

TECHNICAL INFORMATION

FEATURES

Sikafloor® QuartzTop-100 offers following advantages:

- high abrasion resistance
- low level of porosity due to maximum compactness
- attractive
- easy to clean
- limited dust formation

CERTIFICATES AND TEST REPORTS

CE marking and declaration of performance based on EN 13813:2002 Screed material and floor screeds — Screed material — Properties and requirements — Cementitious screed material

Abrasion resistance	BCA	AR1 (max. 100 µm wear depth)	(EN 13892-4)
	BOHME	A6 (max. 6 cm ³ / 50 cm ²)	(EN 13892-3)
	TABER	0,20 g / 1000 rev CS-17	(ISO 5470-1)
	AMSLER	2,60 mm / 3.000 m	(NBN-15-223)
Resistance to impact	Class I	(On concrete block MC 0,40 acc. EN 1766(EN ISO 6272-1))	
Compressive strength	60 N/mm ² (nominal 80 N/mm ²)		(EN 13982-2)
Modulus of elasticity in compression	30 kN / mm ²		(EN 13412)
Flexural-strength	10 N/mm ²		(EN 13982-2)
Tensile adhesion strength	2,5 N/mm ²		(EN 13892-8)
	class > B 2,0	On concrete	
Reaction to fire	A1 _{fl}		

APPLICATION INFORMATION

Consumption	For light to medium traffic: 3 – 5 kg/m ² For medium to heavy traffic: 5 – 8 kg/m ² For heavy traffic: 7 – 8 kg/m ²
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BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

IMPORTANT CONSIDERATIONS

- Where operating and service conditions dictate the use of a metallic aggregate surface hardener for greater abrasion and impact resistance.
- For use in areas exposed to acids and their salts or to materials known to deteriorate cement concrete, consult your local representative.
- Do not apply over concrete with > 3% entrained air.

Described technical properties are obtained in laboratory conditions after 28 days at 23°C with 3 l water / 25 kg powder

ECOLOGY, HEALTH AND SAFETY

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0,1 % (w/w).

APPLICATION INSTRUCTIONS

APPLICATION

1. Placing concrete
2. Levelling, consolidating and striking off concrete
3. Apply the first shake of Sikafloor® QuartzTop-100 manually or by spreader
4. Floating the first shake of Sikafloor® QuartzTop-100 Repeat steps 3 up to 4 including (apply the second shake, floating the second shake of Sikafloor® QuartzTop-100) followed by a first trowelling and a second/final trowelling.
5. Curing
6. Sawing joints
7. Application of joint sealant

For detailed information on the application steps, please consult with Sika technical support or local representative.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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