

PRODUCT DATA SHEET

SikaScreed®-196

Ready-to-mix cementitious floor screed

DESCRIPTION

SikaScreed®-196 is a ready-to-mix cementitious floor screed. It is ideal for casting onto new or old concrete floors with 10–40 mm application thickness.

USES

SikaScreed®-196 is suitable for use as a normal screed on new concrete substrates, or to repair old worn-out substrates in housing estates or industrial floors. It can be used for internal and external applications.

CHARACTERISTICS / ADVANTAGES

- Pre-mixed for consistent performance
- Easy to use by simply adding water
- Prepacked for convenience in handling

PRODUCT INFORMATION

Packaging	25 kg per bag	
Appearance / Colour	Gray powder	
Shelf Life	Up to 12 months shelf life from the date of manufacture if retained in its original packaging	
Storage Conditions	Keep stored in a cool, dry place, away from direct sunlight and excessive moisture	
Effective Thickness	Minimum	10 mm
	Maximum	40 mm
Maximum Grain Size	4 mm	

TECHNICAL INFORMATION

Compressive Strength	28 days	≥ 25 MPa	(ASTM C109)
Tensile Strength in Flexure	28 days	≥ 2 MPa	(ASTM C348)

APPLICATION INFORMATION

Mixing Ratio	3 liters to 5 liters (13 % to 15 %) of water per 25 kg bag
Consumption	1 bag will cover approximately 2.2 m ² to 2.5 m ² per 10 mm thickness
Pot Life	Approximately 40 minutes (after mixing)

Curing Treatment

In hot ambient temperatures and windy outdoor environments, the screed should be protected from direct sunlight and cured with appropriate curing compounds to prevent rapid or excessive moisture loss and cracking.

Setting Time

Initial	3 hours to 4 hours
Final	4 hours to 6 hours

Fresh mortar density

Approximately 1800 kg to 2000 kg per m³

BASIS OF PRODUCT DATA

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

LIMITATIONS OF USE

Average laboratory values (testing at 25 °C / 45–50 % RH) provided as a general guide. Specifications are subject to change without notification. Results shown are typical but reflect test procedure used. Actual field performances depend on installation method and site conditions.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Remove all dust, oil, and debris. Dampen the dry concrete surface before application of SikaScreed®-196. For old worn-out substrate, the surface should be hacked off and primed with a bonding agent before applying SikaScreed®-196.

MIXING

Add 25 kg of SikaScreed®-196 to 3 liters to 5 liters (13 % to 15 %) of water. Mix with paddle mixer for 3 minutes to 5 minutes until the desired homogeneous mix is achieved. Ensure that it is free of lump before use.

APPLICATION

Ensure that the substrate is damp and clean without any ponding water. Compact and finish SikaScreed®-196 in accordance with standard practice by using a wooden float or steel trowel where appropriate.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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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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