

PRODUCT DATA SHEET

SikaCeram[®]-180 P

GRANITE TILE ADHESIVE

DESCRIPTION

SikaCeram[®]-180 P is a one component, pre-packed polymer modified tile adhesive mortar combining cement with selected grades of sand and several admixtures, to prevent tiles from popping up or loose.

USES

For bonding of ceramic, homogeneous tile, marble, granite, mosaic, and natural stone, over a range of applications as below:

- Floor and wall
- Interior and exterior
- Dry and wet area (not submerged)
- Screed, plaster and concrete surface

CHARACTERISTICS / ADVANTAGES

- High adhesive strength
- Suitable for granite tile, wall and wet area (not submerged) application
- Easy to use and apply, just add water

PRODUCT INFORMATION

Packaging	40 kg bag
Appearance / Colour	Powder / Grey
Shelf life	9 months from date of production if stored properly in original, unopened and undamaged sealed packaging
Storage conditions	Store in dry conditions at temperatures between +5 °C and +30 °C
Density	~1.65 kg/L

TECHNICAL INFORMATION

Tensile Adhesion Strength	28 days	~1 N/mm ²	(EN 1348)
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APPLICATION INFORMATION

Mixing Ratio	Water : SikaCeram [®] -180 P	10 – 11.2 L : 40 kg (by weight)
	Water : SikaCeram [®] -180 P	1 : ± 2.5 (by volume)
(as per consistency requirement)		

Consumption	~8.8 m ² per 40 kg bag (based on 2-3 mm thickness)* *depend on substrate surface profile
Layer Thickness	2 - 3 mm
Ambient Air Temperature	+8 °C to +40 °C
Pot Life	~1 h (at +30 °C)
Open Time	~20 min (at +25 °C 75% r.H.), depend on type of substrate
Adjustability Time	~20 min after applied (depend on type of substrate)
Applied Product Ready for Use	Waiting time before grouting ~24 h

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete / screed / plaster surface must be clean, sound, level and uncontaminated by oil or grease. Remove cement laitance, dust, and loosely adhering particles.

Absorbent substrates must be pre-wetted to saturated surface dry (SSD) conditions.

MIXING

- Pour 10 – 11.2 litre of water into mixing vessel then add SikaCeram®-180 P slowly and mix properly.
- Mixing time is ~ 3 minutes. A slow speed mixer is recommended (300 – 600 rpm).

APPLICATION

- Apply with notched trowel then fix the tile. Proceed to apply while the adhesive is still wet. Size of notched depending on size of tile
- Waiting time before grouting application minimum 24 hours
- To get the best result use Sika® Tile Grout
- No need to immerse the tile prior to apply

IMPORTANT CONSIDERATIONS

For vertical application, it is necessary to conduct application test of ceramic which size larger than 30 x 30 cm or certain type of ceramic.

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.

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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 the exact product data and uses.

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.

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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