

PRODUCT DATA SHEET

SikaCeram®

Powder tile adhesive to lay ceramic tiles

DESCRIPTION

Sika Ceram® is a cementitious adhesive for laying absorbent tiles on absorbent substrates by residential areas.

Class C1 according to EN12004

USES

Sika Ceram® is suitable to bond the following types of tiles:

- All types of absorbent ceramic tile, small and medium size.

Sika Ceram® can be used internally on indoor walls and floors and externally on floors.

Sika Ceram® can be used on substrates including :

- Concrete and mortar
- Bricks and stone

CHARACTERISTICS / ADVANTAGES

- Ready mix, only add water
- Easy to use
- Better coverage for wall and floor tiling
- Good bond and adhesion
- Long pot life and slower setting time.

APPROVALS / CERTIFICATES

Class C1 according to EN 12004 - Adhesives for ceramic tiles

PRODUCT INFORMATION

Packaging	25 kg bags
Shelf life	12 months from date of production if stored properly in original unopened packing.
Storage conditions	Store in dry cool place.
Appearance and colour	Grey/white powder
Density	1.4 kg/l (fresh mortar)

TECHNICAL INFORMATION

Compressive strength	10 N/mm ² (after 28 days)
Flexural toughness	5 N/mm ² (after 28 days)

APPLICATION INFORMATION

Mixing ratio	Use 5 liters water to 25 kg powder
Consumption	2.8 kg/m ² (based on 2 mm mortar thickness)

Layer thickness	Up to 5 mm	
Pot Life	45 mins at 25°C	
Open Time	Approx. 30 mins	
Waiting time	Waiting time before grouting	
	For wall	after 7-8 hrs (depending on temperature)
	For floor	after 24 hrs
	Open time for full traffic	after 14 days

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.

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

Concrete surface must be clean, sound, level and uncontaminated by oil or grease. Remove cement laitance, formwork traces and loosely adhering particles by sand blasting or high pressure water jetting. Absorbent substrates must be pre-wetted to saturated surface dry (S.S.D) condition.

MIXING

Mix well with hand trowel. For large volume mixing, a slow speed drill is recommended.

APPLICATION

- Sika Ceram® is applied using a notched trowel.
- Apply a sufficient amount of product to ensure complete wetting of the tiles rear.
- Tiling has to be carried out on fresh glue, exerting an adequate pressure to ensure contact with the adhesive, and thus the perfect bonding. In case a surface film is formed on the adhesive, remove the adhesive layer with the flat part of the spatula and apply a fresh layer of adhesive.
- Avoid application under direct sun exposure and/or strong wind.
- Preferred use of Sika Ceram® is for laying absorbent tiles with a size up to 900 cm² (e.g. 30 x 30 cm)

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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.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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