

PRODUCT DATA SHEET

SikaCeram[®]-103 PK

TILE ADHESIVE FOR ALL TYPES OF TILES, MARBELS AND NATURAL STONES

DESCRIPTION

SikaCeram[®]-103 PK is a cement-based powder adhesive to easily lay all type of ceramic tiles, porcelain tile and marble stones. Suitable for walls and floors inside of residential properties. It can be used in layers up to 10 mm thick. For use in hot and tropical climatic conditions.

USES

- SikaCeram[®]-103 PK is suitable for bonding all kinds of ceramic tiles, porcelain tile and marble stones.
- SikaCeram[®]-103 PK can be used indoors for wall or floor applications, on the following substrate surfaces
- Gypsum based substrates in dry areas
- Cement based substrates like concrete & renders
- Suitable for moisture tolerant natural stone.

CHARACTERISTICS / ADVANTAGES

- Very good adhesion to most substrates (concrete, cementitious mortar, stone, bricks)
- Very easy to mix and use
- Excellent workability and thixotropic consistency
- Single component system
- Non sagging for large tiles, support recommended.

APPROVALS / STANDARDS

SikaCeram[®]-103 PK follows the main requirements of EN 12004 class C1 TE and complies to the requirements of ANSI 118.4 for shear strength.

PRODUCT INFORMATION

Packaging	20 kg
Appearance / Colour	White powder
Shelf Life	6 months from the date of production
Storage Conditions	Store in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +5°C and +35°C. Protect from direct sunlight, heat and moisture.

TECHNICAL INFORMATION

Tensile Adhesion Strength	w/p 0.24 - 0.26 Class C1TE (EN 12004-2) Initial: $\geq 0.5 \text{ N/mm}^2$
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APPLICATION INFORMATION

Mixing Ratio	0.24 - 0.26 W/P
Consumption	The consumption depends on the surface profile and roughness of the substrate and on the size of the tiles and the placing technique (simple placing "floating" or back to back "buttering-floating"). As a guide: 5-7 kg/m ² / 8 - 10 mm.
Layer Thickness	Upto 10mm
Ambient Air Temperature	+5 °C min. / +35 °C max.
Pot Life	~45 min. (23 °C)
Open Time	≥ 20 min. (23 °C)
Adjustability Time	≥ 20 min. (23 °C)
Fresh mortar density	≈ 1.6 kg/l

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

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

REGULATION (EC) NO 1907/2006 - REACH

DIRECTIVE 2004/42/CE - LIMITATION OF EMISSIONS OF VOC

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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