

Product Data Sheet

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SikaCeram®50

SikaCeram® 50 GREY

General Purpose, Cementitious Tile Adhesive.

Product Description SikaCeram® 50 is a cementitious tile adhesive used for permanent fixing of tiles. Suitable for tropical and hot climatic conditions.

Uses Suitable for fixing:

- Floor tiles only.
- Absorbing tiles.
- Interior use only.

Advantages

- Easy to use, just add water.
- Excellent workability.
- Excellent pot life.
- Can be applied directly on cement screeds, concrete or lime mortars.
- Non Toxic.
- Suitable for indoor application.

Product Data

Type Cementitious powder.

Form Powder.

Packaging 25kg Bag.

Storage conditions / Shelf-life 12 months minimum from production date if stored properly in original unopened, sealed and undamaged packaging. Store in a dry area between 5°C and 35 °C. Protect from direct sunlight.

Technical Data

Mixing Ratio 18-20% or 4.5 to 5.0 litre clean water per 25kg bag.

Pot life Approximately 60 minutes at 30°C.

Open time Approximately 20 minutes at 20°C.

Coverage Approx. 6m² per bag depending on thickness and tile size.

Temperature Minimum 5°C, Maximum 30°C (Substrate).



Application Details

Substrate preparation	Concrete, mortar and masonry surfaces must be clean, free from grease, oil and loosely adhering particles. Suitable mechanical methods such as abrasive blast cleaning; high pressure water jetting at sufficient pressure (minimum 150bar) and volume; scabbling or needle gunning. On “new” or smooth faced concrete, surfaces as should be Sand-blasted. All surfaces must be as true and flat as possible. Blow holes and irregularities should be filled with suitable SikaTop / Monotop products. Saturate absorbent concrete surfaces thoroughly with water to achieve a surface saturated dry (SSD) condition.
Mixing	Add about 4.5 – 5.0 litres clean cold water to a clean suitable mixing container. Slowly add the SikaCeram® 50 powder and mix for at least 3 minutes until a homogeneous mix, free of lumps is achieved. Do not mix more SikaCeram® 50 than can be used within the open time. Do not add extra water or other ingredients after mixing!
Application	Apply SikaCeram® 50 at 3 -10 mm thickness directly to the concrete substrate, using a notched trowel and spread the mortar evenly over the area to be tiled. Cover only an area that can be tiled within 15 - 20 minutes. Press tiles firmly into SikaCeram® 50 with a twisting action to ensure optimum adhesion. <ol style="list-style-type: none">1. Use 4.5 - 5.0 litres of clean water per 25kg bag.2. Mix well with a slow speed drill (maximum 500rpm).3. Apply with “V”-notched trowels for small tiles.4. Apply with square notched trowel for bigger tiles.5. Place the tiles firmly into the fresh adhesive.
Curing	Where ambient conditions may lead to rapid surface drying, the use of light water fogging for 48hrs, hessian or suitable water based curing compound is recommended. Do not commence fogging until final set has been reached.
Cleaning	Application and mixing tools should be cleaned with water while material is still fresh. Hardened material can only be removed mechanically.
Notes	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.
Remarks	SikaCeram® 50 should not be used directly on gypsum or gypsum board substances. Contact our Technical Service Department for advice.



Health and Safety information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet 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 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, must be inferred either from this information, or from any written recommendations, or from any other advice offered. 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 Product Data Sheet for the product concerned, copies of which will be supplied on request or accessed on the Internet under nga.sika.com.



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