

PRODUCT DATA SHEET

SikaCeram[®]-205 NG Grey

HIGH PERFORMANCE, POLYMER CONTAINING, WATER RESISTANT CEMENTITIOUS TILE ADHESIVE, CLASS C2 TE

DESCRIPTION

SikaCeram[®]-205 is a high performance, one-pack, polymer containing, water resistant, pre-mixed tile adhesive. Consisting of cement, selected silicon / quartz mineral charges and specific additives, used as thin bed tile adhesive for permanent fixing of ceramic tiles. Suitable for use in hot and tropical climatic conditions.

SikaCeram[®]-205 performance is in accordance with European C2TE class

USES

- Suitable for bonding of high absorption ceramic tiles, earthenware, extruded and refined porcelain tiles
- Suitable for bonding of large size tiles used in industrial environment, wet areas, swimming pools, facades
- Suitable for bathrooms, kitchens, balconies, terraces, etc.
- Indoor and outdoor application over concrete, cement mortars, bricks and plaster
- For horizontal and vertical areas
- Suitable for moisture tolerant natural stone
- Suitable to tile directly on various Sika waterproofing products

FEATURES

- Very good adhesion
- Easy to mix and use
- Excellent workability and thixotropic consistency
- Water resistant
- Single component system
- No vertical slipping
- Extended open time

CERTIFICATES AND TEST REPORTS

PRODUCT INFORMATION

Composition	Portland cement, selected aggregates and polymers	
Packaging	25 kg bag	
Shelf life	12 months minimum from production date.	
Storage conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between 5°C and 35°C. Protect from direct sunlight.	
Appearance and colour	Grey powder	
Tensile adhesion strength	Initial	≥ 1,0 Mpa
	Immersion	≥ 1,0 Mpa
	Heat Ageing	≥ 1,0 Mpa
Skid / slip resistance	≤ 0,5 mm	(EN 1308)
Mixing ratio	22-24% or 5.5 to 6.0 litres clean water per 25 kg bag.	
Substrate temperature	Minimum 5°C, Maximum 30°C (Substrate).	
Pot Life	Approximately 60 minutes at 30°C.	
Open Time	Approximately 30 minutes at 20°C.	

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.

IMPORTANT CONSIDERATIONS

Remarks SikaCeram® 205 should not be used directly on gypsum or gypsum board substances. Contact our Technical Service Department for advice.

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 QUALITY / PRE-TREATMENT

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 5.5 – 6.0 litres clean cold water to a clean suitable mixing container. Slowly add the SikaCeram® 205 powder and mix for at least 3 minutes until a homogeneous mix, free of lumps is achieved. Do not mix more SikaCeram® 205 than can be used within the open time. Do not add extra water or other ingredients after mixing!

APPLICATION

Apply SikaCeram® 205 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® 205 with a twisting action to ensure optimum adhesion.

1. Use 5.5 - 6.0 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.

CLEANING OF EQUIPMENT

Application and mixing tools should be cleaned with water while material is still fresh. Hardened material can only be removed mechanically.

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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PRODUCT DATA SHEET

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