

## PRODUCT DATA SHEET

# SikaCeram<sup>®</sup>-200 HP

Prepacked cementitious tile adhesive

### DESCRIPTION

SikaCeram<sup>®</sup>-200 HP is a cementitious water resistant tile adhesive that is specially formulated for floor & wall tiling on concrete, rendered surface and both internal and external applications. The product is ideal for installation ceramic tiles, homogeneous tiles, mosaics, marble and granites.

### USES

SikaCeram<sup>®</sup>-200 HP can be used as thin bed or thick bed adhesive for items as below:

- Toilet
- Kitchen
- Rendered brick wall
- External wall
- Balcony
- Swimming pool
- Pre-cast components

### CHARACTERISTICS / ADVANTAGES

- Easy application (Adding the required water content)
- Water resistant, can be used in wet areas such as toilets, kitchen
- Excellent pull-off strength
- Soaking of tiles in water before installation is not required
- Consistency quality
- Convenient in placing, handing, mixing and application
- Weather resistant and durable

### PRODUCT INFORMATION

Chemical base	Cement, graded sand, several admixtures	
Packaging	25 kg per bag	
Appearance / Colour	Grey/ White powder	
Shelf life	9 months from date of production if stored properly in unopened, original packaging	
Storage conditions	Dry, cool, shaded place.	
Density	1,300-1,600 kg/m <sup>3</sup> (density of fresh mortar)	
Tensile Adhesion Strength	Tensile adhesion bond strength	≥ 1 N/mm <sup>2</sup> (28 days)
	Tensile adhesion strength after water immersion	≥ 1 N/mm <sup>2</sup> (28 days)
	Tensile adhesion strength after heat aging	≥ 1 N/mm <sup>2</sup> (28 days)

### APPLICATION INFORMATION

<b>Mixing ratio</b>	Approx. 5.5 L to 6.5 L of clean water per 25 kg bag
<b>Consumption</b>	~7-8 m <sup>2</sup> per 25 kg bag (based on 2mm mortar thickness)
<b>Yield</b>	25 kg SikaCeram®-200 HP powder bag yields approx. 16.2 L of mortar Approx. 62 bags required for 1 (one) m <sup>3</sup> of mortar
<b>Substrate Temperature</b>	Minimum 8°C Maximum 40°C
<b>Pot Life</b>	30-45 minutes (at 27°C / 65% r.H)
<b>Open time</b>	≥ 0.5 N/mm <sup>2</sup> (After not less than 30 mins)
<b>Adjustability Time</b>	Approx. 20 minutes
<b>Curing time</b>	Waiting time before grouting: For wall – after 7 to 8 hours (depending on temperature) For floor – after 24 hours Open to 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

**Ecology:** Do not dispose into water

**Transportation class:** Non-hazardous

**Waste disposal:** According to local law

**Important notes:** SikaCeram®-200 HP is cement base and is therefore alkaline. Suitable precautions should be taken to minimize direct contact with the skin. If the material gets into the eyes, rinse immediately with clean water and seek medical attention.

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

Concrete surface must be clean, free from grease oil and loosely adhering particles.

Absorbent surfaces have to be thoroughly saturated with water prior application.

### MIXING

- Pour powder SikaCeram®-200 HP into 6-7 L clean water containers
- Mixing by mechanical mixer, producing a homogeneous paste with a good workability.
- Mix thoroughly using mechanical mixer for 3-5 minutes until a homogeneous lump-free paste is achieved
- Allow the mix to stand for 1-2 minutes and thoroughly re-mix for another 1 minute before using.

### APPLICATION

- Pour a little tile adhesive on the substrate. Use a notched trowel spread tile adhesive on the substrate.  
For floor: spread out the floor surface mortar  
For wall: plastering horizontally
- To increase adhesion and coverage should be constructed at layer of mortar at the back of the tiles.
- Place the tiles on mortar, firm pressure to ensure the tiles are clinging to the mortar.
- Any adjustment of tile should be done within 20 minutes after application. The wet mix should be used within the 30 to 45 minutes, depending on the ambient temperature.

### CLEANING OF TOOLS

Remove non-hardened SikaCeram®-200 HP products from tools and equipment with water. Hardened material can only be removed mechanically.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product 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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### Product Data Sheet

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