

# SikaCeram®-205

## High Performance Cementitious Flexible Tile Adhesive

**Product Description** SikaCeram® 205 is a cementitious tile adhesive used for permanent fixing of tiles. Suitable for tropical and hot climatic conditions. Performances according to European C2TE class.

- Uses** Suitable for fixing:
- Wall and floor tiles.
  - Absorbing / non-Absorbed tiles.
  - Interior and exterior uses.

- Characteristics / 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 and outdoor application.

### Product Information

<b>Composition</b>	Cementitious powder, Polymer modified binder.
<b>Packaging</b>	25 kg bag
<b>Appearance / Colour</b>	Powder
<b>Shelf Life</b>	12 months minimum from production date if stored properly in original unopened, sealed and undamaged packaging.
<b>Storage Conditions</b>	Store in a dry area between 5°C and 35 °C. Protect from direct sunlight.

### Technical Information

**Tensile Adhesion Strength** > 1.0 MPa

### Application Information

<b>Mixing Ratio</b>	Mixing water 29%-31% or 7.25kg-7.75kg for 25 Kg Product
<b>Consumption</b>	The consumption is 1.5 – 8 kg/m <sup>2</sup> depending on <ul style="list-style-type: none"> <li>- The substrate (flatness, roughness)</li> <li>- The tiles type (size, thickness, water absorption, porosity)</li> <li>- Gluing method (simple or double)</li> </ul>
<b>Substrate Temperature</b>	5°C min. / 30°C max. (Substrate)



<b>Open Time</b>	Approximately 30 minutes at 20°C.
<b>Curing Time</b>	<ul style="list-style-type: none"> <li>▪ Floor tiles: 24 -36 hours approx.</li> <li>▪ Walls tiles: 4 - 6 hours approx.</li> <li>▪ Surface can be use after 14 days approx.</li> </ul>
<b>Curing Treatment</b>	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.

## Application Instructions

<b>Substrate Quality / Pre-Treatment</b>	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.
<b>Mixing</b>	<p>Add about 7.25 – 7.75 litres clean cold water to a clean suitable mixing container.</p> <p>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.</p> <p>Do not add extra water or other ingredients after mixing!</p>
<b>Application</b>	<p>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 20 – 30 minutes. Press tiles firmly into SikaCeram® 205 with a twisting action to ensure optimum adhesion.</p> <ol style="list-style-type: none"> <li>1. Use 7.25 - 7.75 litres of clean water per 25kg bag.</li> <li>2. Mix well with a slow speed drill (maximum 500rpm).</li> <li>3. Apply with "V"- notched trowels for small tiles.</li> <li>4. Apply with square notched trowel for bigger tiles.</li> <li>5. Place the tiles firmly into the fresh adhesive.</li> </ol>
<b>Cleaning of Equipment</b>	Application and mixing tools should be cleaned with water while material is still fresh. Hardened material can only be removed mechanically.
<b>Important Considerations</b>	Remarks SikaCeram® 205 should not be used directly on gypsum or gypsum board substances. Contact our Technical Service Department for advice.
<b>Basis of Product Data</b>	All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.
<b>Local Restrictions</b>	Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.
<b>Ecology, Health and Safety</b>	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.
<b>Legal Notes</b>	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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