

## Sika Ceram®



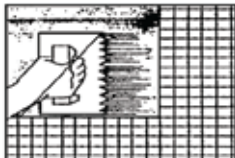


### Pre-packed Cementitious Tile Adhesive for bed application

<b>Product Description</b>	Sika Ceram® is a single component, ready to use tiling adhesive mortar combining cement with selected grades of silica sand and several admixtures. Only requires addition of water.
<b>Uses &amp; Advantages</b>	<ul style="list-style-type: none"> <li>■ Factory mixed - consistent quality.</li> <li>■ Easy to use, just add water</li> <li>■ Better coverage for wall and floor tiling.</li>   <li>■ Better workability (saves 25 - 50 % of time) and thixotropic consistency</li> <li>■ Tiles need not be pre-soaked in water.</li> <li>■ Tiles can be adjusted up to 30 minutes after application.</li> <li>■ Good bond adhesion up to 1.5 N/mm<sup>2</sup>.</li> <li>■ Long pot life and slower setting time. (Initial - 6 hours &amp; Final - 7 hours).</li> <li>■ It can be used for thin bed application up to 5 mm.</li> </ul> <p>Sika Ceram® is suitable to bond the following types of tile:</p> <ul style="list-style-type: none"> <li>- Ceramic, natural and reconstituted stone tiles</li> <li>- All type of high absorption ceramic tiles small and medium size</li> </ul> <p>Sika Ceram® can be used internally on walls and floors, and externally on floors. Sika Ceram® can be used on substrates including:</p> <ul style="list-style-type: none"> <li>- Concrete and mortar</li> <li>- Bricks and stone</li> </ul> <p>On overall comparison, Sika Ceram® pre-packed cementitious tiling adhesive is more economical than conventional mortar by as much as 10 - 20 %.</p>
<b>Approvals / Standards</b>	Sika Ceram has been tested as per SCAQMD Rule 1168' Result VOC Content 0 g/L
<b>Product Data</b>	
<b>Form</b>	Powder.
<b>Colour</b>	Grey / White.
<b>Packaging</b>	25 kg bags.
<b>Storage Condition</b>	Store in a dry cool place.
<b>Shelf Life</b>	12 months from date of production if stored properly in original unopened packing.
<b>Technical Data</b>	
<b>Density (Bulk)</b>	Approx. 2.10 kg/l.
<b>PH of Mix</b>	Approx. 12 ±1.
<b>Consistency of Mix</b>	Thin mortar adhesive.
<b>Adjustability Time</b>	Approx. 30 minutes.
<b>Damp Resistance</b>	Excellent.
<b>Fungi Resistance</b>	Excellent.
<b>Solvent &amp; Oil Resista</b>	Good.
<b>Acids &amp; Alkalis Resistance</b>	Poor.
<b>Temperature Resistance</b>	Up to 90°C
<b>Bonding Strength</b>	Approx. 1.2 N/mm <sup>2</sup> (after 28 days – ASTM C321) - (> 1.0 N/mm <sup>2</sup> Brick Failure).
<b>Compressive Strength</b>	Approx. 17.0 N/mm <sup>2</sup> (after 28 days).
<b>Flexural Strength</b>	Approx. 8.0 N/mm <sup>2</sup> (after 28 days).



<b>Application Consumption</b>	~ 4.20 kg./m <sup>2</sup> (based on 2 mm mortar thickness).
<b>Preparation of Substrate</b>	Concrete surface must be clean, sound, level and uncontaminated by oil or grease. Remove cement laitance, formwork traces and loosely adhering particles by sand blasting or high pressure water jetting. Absorbent substrates must be pre-wetted to saturated surface dry (SSD) conditions.

<b>Application Temperature Range</b>	From 8°C to 40°C.
--------------------------------------	-------------------

<b>Application</b>		1- Use 5 litres water to 25 kg powder
		2- Mix well with a hand trowel. For large volume mixing, a slow speed drill is recommended.
		3- Apply with 'V' notched trowels for small tiles.
		4- Apply with square notched trowels for bigger tiles. - For floor large tiles, use a 9 mm notched trowel
		5- Fix Tiles

<b>Pot Life</b>	(at 20°C)      Approx. 60 minutes. (at 30°C)      Approx. 45 minutes.
-----------------	--------------------------------------------------------------------------

<b>Open Time (at 25 °C 60 % RH)</b>	Approx. 30 minutes.
-------------------------------------	---------------------

<b>Waiting Time Before Grouting</b>	For wall - after 7 to 8 hours (depending on temperature). For floor - after 24 hours.
-------------------------------------	------------------------------------------------------------------------------------------

<b>Open to Full Traffic</b>	After 14 days.
-----------------------------	----------------

## Safety Instructions

<b>Ecology</b>	Do not dispose of into water or soil but according to local regulations.
----------------	--------------------------------------------------------------------------

<b>Transport</b>	Non-hazardous.
------------------	----------------

<b>Safety Precautions</b>	Wear gloves and goggles, In contact with eyes or skin product may cause irritation.
---------------------------	-------------------------------------------------------------------------------------

<b>Toxicity</b>	Non-Toxic under relevant health and safety codes.
-----------------	---------------------------------------------------

<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.
--------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



**Sika Egypt for Construction Chemicals**  
 El About City  
 1<sup>st</sup> industrial zone (A)  
 Section # 10 Block 13035,  
 Egypt

Tel :+202- 4481 0580  
 Fax :+202- 4481 0459  
 Mob :+2012- 2390 8822/55  
 www.sika.com.eg

