

Sika® Ceram-201

High Performance, Polymer Modified, Non-Shrink, Water Resistant Cementitious Tile Adhesive for Thin Bed Application

Product Description

Sika® Ceram-201 is a high performance polymer modified, cementitious tile adhesive supplied ready to use with the addition of water. It can be used, for bonding ceramic tiles in internal and external situations, for vertical as well as horizontal applications.

Suitable for use in hot and tropical climates.

Uses

Sika® Ceram-201 can be used for bonding ceramic tiles in a continuous thin layer, up to 5 mm. Since As it has high adhesive strength and flexibility, it can be used in situations where traditional adhesives are not suitable due to the type of tile, or the substrate etc. It is also suitable for use in wet areas.

Sika® Ceram-201 is suitable to bond the following types of high and low absorption tiles:

- Ceramic, extruded and earthenware tiles
- Low absorption ceramic tiles, which have poor adhesion to traditional tile adhesives

Sika® Ceram-201 can be used on substrates including:

- Concrete and mortar
- Bricks, plaster (with primer)
- Any substrate where shrinkage movement or thermal expansion can occur

Sika® Ceram-201 can be used on walls and on floors, in exterior or interior situations including:

- Bathrooms, kitchens, balconies, terraces, pool sides, etc.

Characteristics / Advantages

- Easy to use, just add water
- Good adhesion to most substrates (concrete, cementitious mortar, stone, bricks, existing tiles...)
- Good workability and thixotropic consistency
- Water and weather resistant
- Suitable for indoor and outdoor application
- Non-Toxic

Product Data

Form Powder

Colour Grey

Packaging 25 kg bag or 50 kg bag

Storage Store in dry, cool conditions between 5°C and 35°C. Protect from direct sunlight.

Shelf Life 12 months minimum from date of production if stored properly in original unopened, sealed and undamaged packaging.



Technical Data

Chemical Base	Cementitious mortar modified with polymers.	
Density (at +25°C)	Fresh mortar density: approximately 1.60 kg/lt	(According to EN 12190)
Grading	D _{max} : approximately 0.5 mm	(According to EN 12192-1)
Layer Thickness	Min. 1.5 mm Max. 5.0 mm	
Coverage	One 25 kg bag will cover approximately 6.0 – 9.0 m ² at 3 - 2 mm thickness.	

Mechanical / Physical Properties

Compressive Strength	Approximately 14 MPa at 28 days	
Bond Strength	Approximately 2 MPa (EN1348, Method A) Approximately 2 MPa (EN1348, Method B)	

System Information

System Structure	In normal conditions, no primer is required. However for very high absorption substrates please refer to our Technical Services Department.	
Consumption	The consumption depends on the surface profile and roughness of the substrate and on the size of the tiles and the placing technique (simple placing or back-buttering).	
Substrate Quality	The substrate must be structurally sound, cement laitance free, clean and free from dirt, oil, grease or other contaminants and loose or friable particles.	
Substrate Preparation / Priming	<p>Weak concrete and/or cement laitance must be removed. Repairs to the substrate, filling of blowholes/voids etc must be carried out using appropriate products from the Sika® Rep range of materials or with site produced mortars improved with Sika® Latex. Allow a waiting time of 24 to 48 hours before placing the stiling.</p> <p>All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum. If the substrate is very porous and if the temperature is high and relative humidity low, it is advisable to dampen the surface - do not leave any standing water. Variations in level must be less than 5 mm, measured with a 2 metre straight edge. If necessary, the substrate must be levelled prior to application.</p>	

Application Conditions / Limitations

Substrate Temperature	Min. +5°C min.	Max. +35°C
Ambient Temperature	Min. +5°C min.	Max. +45°C

Application Instructions

Mixing	Approximately 5.8 to 6.0 lt of water per 25 kg bag.	
Mixing Time	Mix thoroughly with clean water for a minimum of 3 minutes. Leave material to stand in container (5 to 10 minutes). Then remix for 15 seconds, the product is now ready for use.	
Mixing Tools	Sika® Ceram-201 must be mechanically mixed using a forced action mixer or in a clean container using a slow speed drill and mixing paddle (approximately 500 rpm). A normal concrete free fall mixer is not suitable.	
Application Method / Tools	Sika® Ceram-201 is applied using a notched trowel. Choose the trowel that will give the right coverage and thickness to the back of the tile. Apply a uniform layer of Sika® Ceram-201 by trowel in small areas at the recommended thickness. Then, immediately adjust the thickness if necessary using a notched trowel. Finally, place the ceramic tile, pressing it firmly onto the adhesive.	

Cleaning of Tools	Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be removed mechanically.
Pot life (at +25°C)	Approximately 30 minutes.
Rectification Time	Once tiles are set into the mortar, they can be adjusted for up to approximately 10 minutes (at +25°C).
Notes on Application / Limitations	<p>Cementitious substrate age must be at least 28 days.</p> <p>Do not exceed the recommended water dosage. Apply only to sound, prepared substrates. Do not exceed maximum layer thicknesses. Do not use under conditions of continuous immersion.</p> <p>If additional waterproofing underneath the tiles is required, then the following products can be used: SikaTop® Seal-107, Sika® Lastic-150, Sika® Lastic-850 W, SikaTop®-109 ElastoCem, Sika® SealTape-S, etc. Refer to the relevant product data sheet for more information.</p> <p>Protect freshly applied material from freezing conditions and rain etc.</p>

Curing Details

Applied Product Ready for use (at +25°C)

Before jointing / grouting works	Min. 24 hours
Before opening to light foot traffic	Min. 24 hours
Before opening to full traffic	Min. 7 days

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.
Local Restrictions	Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the Technical Department for any further questions.
Health and Safety Information	For information and advice on the safe handling, storage and disposal of chemical products, users should 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 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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