

PRODUCT DATA SHEET

SikaCeram[®]-200

High performance polymer-modified, Tile Adhesive

DESCRIPTION

SikaCeram[®]-200 is a polymer modified, cement based, improved adhesive for ceramic and porcelain tiles. It can be used in layers up to 5 mm thick and is suitable for all kind of tiles for inside and outside application for residential and medium load areas. Performances according to European C2 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
- 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

PRODUCT INFORMATION

Composition	Portland cement, selected aggregates and polymers
Packaging	25 kg bag
Shelf life	12 months minimum from production date if stored properly in original unopened, sealed and undamaged packaging.
Storage conditions	Store in a dry area between 5°C and 35°C. Protect from direct sunlight.
Appearance and colour	Grey Powder
Maximum grain size	0.5 mm

TECHNICAL INFORMATION

Tensile adhesion strength	≥ 1.0 MPa
----------------------------------	-----------

FEATURES

- Very good adhesion
- Easy to use with excellent workability and thixotropic consistency
- Good bond strengths
- Non-Toxic
- No vertical slip, high slump resistance and grab
- Suitable for all types of Ceramic and Porcelain tiles

CERTIFICATES AND TEST REPORTS

SikaCeram[®]-200 follows the main requirements of European EN 12004: Classification- class C2

APPLICATION INFORMATION

Mixing ratio	25% - 27% (6.25kg - 6.75kg) of water for 25kg product
Fresh mortar density	About 1.7 – 1.9 kg/litre when wet mix at 25°C
Consumption	The consumption is 3 – 6 kg/m ² depending on <ul style="list-style-type: none">▪ The substrate (flatness, roughness)▪ The tiles type (size, thickness, water absorption, porosity)▪ Gluing method (simple or double)
Layer thickness	Minimum 2mm, Maximum 5mm
Ambient air temperature	Minimum 5°C, Maximum 35°C
Substrate temperature	Minimum 5°C, Maximum 35°C
Pot Life	~ 2 hours at room temperature
Open Time	~ 20 minutes at room temperature
Applied product ready for use	Before jointing / grouting works <ul style="list-style-type: none">▪ Floor tiles: Approx. 24 – 36 hours▪ Wall tiles: Approx. 4 – 6 hours Before opening to light foot traffic - Min 24 hours Before opening to full traffic - Min 14 days

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.

FURTHER INFORMATION

- Cementitious substrates must be strong enough for application of the tiles and the substrates should not continue to shrink after the installation of the tile.
- Do not exceed the recommended water dosage. Apply only to sound, prepared substrates.
- Do not exceed maximum layer thicknesses.
- If additional waterproofing underneath the tiles is required, then the following products can be used: Sika Top® Seal-107, Sika Cemflex, etc. Refer to the relevant product data sheet for more information.
- Protect freshly applied material from rapid drying due to heat, wind etc. and from contact with water or other liquids before the mortar has hardened.

IMPORTANT CONSIDERATIONS

- Make a test area prior to carrying out any work with natural stones.
- It is usually not necessary to pre-dampen the tiles.
- For gypsum boards, primer need to be applied, please contact Sika Technical Department.

SikaCeram®-200 shall not be applied on the following cases:

- On metal surfaces and wood
- On old outdoor ceramic tiles
- For large stone ware / porcelain tiles (side > 60 cm)

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.

SUBSTRATE QUALITY / PRE-TREATMENT

- Substrates must be properly cured, structurally sound, free of any loose or friable particles, clean, dry and free of any contaminants such as dust, dirt, oil, grease, cement laitance or efflorescence.
- Depending on the substrate condition and contaminants to be removed from the surface, perform adequate preparation techniques, such as waterjet washing or blast cleaning, in order to remove all traces of any materials that could reduce the product's adhesion to the substrate.
- For larger and thicker areas of surface reprofiling and making good, appropriate mortars from the SikaRep®, Sika MonoTop® or Sikafloor® Level range should be used. Cracks in substrates must be identified and sealed appropriately e.g., with Sikadur epoxy resins.
- When laying tiles on non-absorbent or substrates with limited absorbency, such as existing ceramic tiles, painted surfaces etc., check to confirm that these surfaces are all firmly and securely bonded and stable, then use suitable degreasing/descaling products to thoroughly and completely clean surface
- New concrete block work, render or screed should be allowed to cure for at least 28 days and/or until shrinkage movement has completed before fixing tiles.

PRODUCT DATA SHEET

SikaCeram®-200

June 2023, Version 01.01

02171010200000054

- For applications in hot climates / environments and/or on absorbent substrates, thoroughly pre-dampen the surface immediately prior to the product application, but avoid any ponding / standing water on the surface, which must not be damp to touch and not with a dark matt/ wet surface appearance i.e., it must be saturated surface dry (SSD).
- For tiling in frequently damp or wet rooms, a suitable Sika® waterproofing product / system should be applied before the tiling.

MIXING

Mix one full bag with the necessary, above mentioned, amount of water, using an electric blender with a suitable mixing spiral at low speed, in a clean bucket, and up to obtain a smooth paste free of lumps. Use a blender at 500 rpm maximum; do not mix at faster rate because of mechanical strength decay of the cured product. After blending, leave the product to stand and 'mature' for 5 minutes in the mixing container and then briefly stir the mix prior to application. The obtained mix results very creamy, easily spreadable and thixotropic

APPLICATION

Apply SikaCeram®-200 at 2 - 5 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 - 30 minutes.

- Use 6.25 - 6.75 litres of clean water per 25kg bag.
- Mix well with a slow speed drill (maximum 500rpm).
- Apply with "V"-notched trowels for small tiles.
- Apply with square notched trowel for bigger tiles.
- Press tiles firmly into the mortar with a twisting action to ensure optimum adhesion.

CLEANING OF EQUIPMENT

Clean all equipment and tools with water immediately after use. Dry hardened material can be removed mechanically.

LOCAL RESTRICTIONS

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 exact product data and uses.

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.

SIKA ABYSSINIA

Chemicals Manufacturing PLC
Sebeta, Welete · Addis Ababa
ETHIOPIA
Phone: +251.113.679.748
Web: eth.sika.com

PRODUCT DATA SHEET

SikaCeram®-200
June 2023, Version 01.01
021710102000000054

SikaCeram-200-en-ET-(06-2023)-1-1.pdf