

PRODUCT DATA SHEET

SikaCeram[®]-206 Flow

Enhanced cementitious tile adhesive mortar for large-sized ceramic tiles

DESCRIPTION

SikaCeram[®]-206 Flow is a versatile, enhanced cementitious tile adhesive mortar designed for the installation of ceramic tiles and natural stone on new and existing substrates. It is suitable for low-porosity tiles.

USES

- Installation of all types of ceramic tiles
- Installation of marble and natural stone, provided that the materials are not sensitive to water
- Interior and exterior applications
- Wall and floor applications
- Overlaying existing ceramic tiles in interior applications
- High-performance applications such as swimming pools, industrial floors and high-traffic areas

FEATURES

- Enhanced adhesion for low-porosity tiles
- Extended open time
- Reduced vertical slip
- Suitable for large-sized tiles
- Suitable for renovation applications

CERTIFICATES AND TEST REPORTS

C2TE classification according to EN 12004

PRODUCT INFORMATION

Composition	Cementitious mortar modified with specialized polymers
Packaging	SikaCeram [®] -206 Flow is supplied in 25 kg bags.
Appearance and colour	Grey or white powder
Shelf life	Up to 12 months from the date of production, when stored properly in the original, unopened and undamaged packaging in accordance with the storage instructions.
Storage conditions	Store in the original, unopened and undamaged packaging in cool, dry conditions between +5 °C and +35 °C. Protect from direct sunlight, frost and rainfall. Store clear of the ground on pallets and avoid excessive compaction. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice, consult Sika Technical Services Department.
Maximum grain size	D _{max} : 1mm

TECHNICAL INFORMATION

Tensile adhesion strength	≥ 1 MPa
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APPLICATION INFORMATION

Mixing ratio	5.00–5.75 liters of water per 25 kg bag
Consumption	Approximately 4 kg/m ² when applied with an 8 mm notched trowel. Consumption is dependent on the substrate, surface profile, roughness, size of the tiles, the joints between them and application technique (i.e. single spreading / floating method or double spreading / buttering method).
Layer thickness	Up to 10 mm
Ambient air temperature	+5°C min. / +35°C max.
Substrate temperature	+5°C min. / +35°C max.
Pot Life	Approx. 4 hours @+23 °C Note: The pot life is dependent on temperature and relative humidity. Higher temperatures may reduce the pot life, while lower temperatures may extend them.
Open Time	> 30 min. @+23 °C Note: The open time is dependent on temperature and relative humidity. Higher temperatures may reduce the open time, while lower temperatures may extend them.
Fresh mortar density	Approx. 1.7 kg/L

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.

LIMITATIONS OF USE

SikaCeram®-206 Flow must not be applied on metal surfaces, wooden surfaces, or existing ceramic tiles in exterior applications.

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.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

New Substrates

The substrate must be sound, stable, clean, dry and free from dust, dirt, oil, grease, laitance, plaster residues, curing compounds and other contaminants that could adversely affect adhesion. Cementitious substrates must have sufficient strength and be adequately cured. The substrate must be free from rising moisture. Concrete and cementitious substrates should be pre-dampened with clean water several hours before application. At the time of application, the substrate

should be uniformly matt damp, with no standing or ponding water on the surface. (SSD condition) Surface irregularities and localised defects up to 10 mm can be repaired or levelled using SikaCeram®-206 Flow. For levelling or repair works exceeding 10 mm, suitable products from the Sika MonoTop® range should be used.

Renovation Substrates

Existing substrates and coverings must be sound, stable and sufficiently well bonded to support the new tile installation. Loose, weak or poorly bonded materials must be removed and suitably repaired or prepared.

Existing tiles, coatings and other non-cementitious substrates must be clean and free from substances that may adversely affect adhesion. Where required, surfaces should be suitably prepared to provide an appropriate substrate for application.

Localised surface irregularities up to 10 mm can be levelled using SikaCeram®-206 Flow. For larger or thicker repair and levelling requirements, suitable products from the Sika range should be considered. For renovation applications, difficult substrates, existing coatings, painted surfaces, semiflexible coverings or other non-standard application conditions, consult Sika Technical Department for recommendations regarding substrate assessment and preparation. For further information on substrate preparation and suitability for specific applications, contact Sika Technical Department.

MIXING

Mix the product with the recommended amount of clean water as stated in the Mixing Ratio above. Pour the required amount of water into a clean mixing

container. Slowly add the powder while mixing with a suitable low-speed electric mixer (300–500 rpm) equipped with a suitable spiral mixing paddle. Mix thoroughly until a smooth, homogeneous and lump-free consistency is achieved. Avoid excessive mixing speed to minimise air entrainment and potential adverse effects on the cured product. Allow the mixed material to stand and mature for approximately 5 minutes, then briefly remix before application.

Always start with the minimum recommended water quantity and gradually add the remaining water, if required, to achieve the desired consistency. Do not exceed the maximum recommended water quantity. Mix only the quantity of material that can be used within the stated pot life.

For specific or difficult application conditions, including unusual substrates, environmental conditions or application requirements, contact Sika Technical Department for recommendations before application.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with clean water immediately after use. Remove excess adhesive from tile surfaces and joints before the material hardens. Hardened or cured material can only be removed mechanically.

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 local Product Data Sheet for the exact description of the application fields.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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