

PRODUCT DATA SHEET

SikaCeram[®]-206 Flow

IMPROVED DOUBLE-CONSISTENCY ADHESIVE MORTAR FOR LARGE CERAMIC TILES C2-TEG

DESCRIPTION

SikaCeram[®]-206 Flow is an improved multi-purpose adhesive mortar with a dual consistency, for the installation of ceramic and natural stone floors for new and old surfaces. SikaCeram[®]-206 Flow is suitable for the installation of tiles with porosity.

USES

- Laying all types of ceramic tiles.
- Laying marble and natural stone, provided these materials are not sensitive to water.
- Interior and exterior application.
- Can be used on floors and walls.
- Suitable for covering old tiles indoors.

- Suitable for applications with high-performance requirements such as: swimming pools, industrial flooring and high-traffic areas.

FEATURES

- Frost-resistant
- Ideal for renovation: no primer required on old tiles and blasted paint
- Dual consistency: normal or fluid (saves time and provides more coverage)
- Extended open time and slip resistance
- Single gluing to 3,600 cm² in fluid consistency on the floor

CERTIFICATES AND TEST REPORTS

C2TEG marking according to EN 12004

PRODUCT INFORMATION

Composition	Hydraulic binders, mineral fillers, specific additives
Packaging	25 Kg Bag
Appearance and colour	Grey or white powder
Shelf life	12 months from manufacturing date
Storage conditions	Stored properly in original unopened, sealed and undamaged packaging in dry condition
Maximum grain size	Dmax: 0,5 mm

APPLICATION INFORMATION

Fresh mortar density	Fresh mortar: 1,6 kg/l.
Consumption	This depends on the nature and roughness of the substrate, the type of covering (format, relief, water absorption/porosity) and the installation technique (single or double-gluing). Average consumption is 4kg/m ² of product spread with an 8mm notched trowel.

Layer thickness	Up to 10 mm
Ambient air temperature	+5 °C min. / +35 °C max.
Mixing ratio	Standard consistency : 6,5 to 6,75 liters per 25 kg bag Fluid consistency: 7 to 7,5 liters per 25 kg bag
Substrate temperature	+5 °C min. / +35 °C max.
Maturing time	5 to 10 min
Pot Life	6 hours at +23°C ±2°C - R.H. 50% ±5
Open Time	30 minutes at +23°C ±2°C - R.H. 50% ±5% (EN 1346)
Adjustability time	Approx. 25 min at +23°C ±2°C - R.H. 50% ±5

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.

IMPORTANT CONSIDERATIONS

In the following cases, SikaCeram®-206 Flow must not be applied:

- On metal or wood surfaces
- On old outdoor ceramic tiles

ECOLOGY, HEALTH AND SAFETY

Neither toxic nor flammable.

Wear PPE in accordance with Safety Data Sheet recommendations. For information and advice on the safe handling, storage and disposal of chemical products, please consult the most recent Material Safety Data Sheet (MSDS) for the material concerned, including physical, ecological, toxicological and other data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

- Floor and wall flatness of 5 mm under the 2 m rule (7 mm in the case of a standard concrete wall) and 4 mm under the 2-meter rule in the case of mosaic installation.

New substrate

- 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.
- They must not be damp or frozen.
- In the case of dry concrete or render, moisten a few hours before laying.
- Any small surface defects and variations in level, profile, or around exposed aggregates for example, can be prefilled and levelled with an additional layer of SikaCeram®-206 Flow, to a maximum thickness of 10 mm. For larger and thicker areas of surface reprofiling and making good, appropriate mortars from the Sika MonoTop® range should be used.

Renovation substrate

- Check existing coverings to ensure that they are in

good condition.

- Remove blown-in tiles or semiflexible slabs with insufficient adhesion.
- Bond missing elements or rectify planimetric defects ≤ 10 mm directly with SikaCeram®-206 Flow.
- Scrape or sand residues of varnish, flaking paint or glue.
- Old tiles, earthenware or semi-flexible slabs: clean by washing soda, then allow to dry.
- Old floor paints, natural stone or terracotta tiles: sand surface, then remove dust by vacuuming.

MIXING

Normal consistency (floors / walls)

Mix each 25kg bag with 6.5 to 6.75 liters of clean water using a low-speed electric mixer with a suitable mixing spiral, in a clean bucket, until a homogeneous, lump-free paste is obtained. After mixing, the product should preferably be left to stand for 5 to 10 minutes, then briefly stirred before application.

Fluid consistency (floors only)

Mix each 25kg bag with 7 to 7.5 liters of clean water using a low-speed electric mixer with a suitable mixing spiral, in a clean bucket, until a homogeneous, lump-free paste is obtained. After mixing, allow the product to stand for 5 to 10 minutes, then stir briefly before application.

APPLICATION

Bonding

- Spread the adhesive mortar on the substrate using a float, then adjust the thickness with a notched trowel (choice of teeth depending on the format of the coating and the flatness of the substrate).
- The single gluing technique covers up to 3600 cm² on the floor with a fluid consistency.
- In the case of double gluing technique, coat the back of the element to be bonded with a thin layer of mortar (1 to 2 mm).
- Maximum adhesive thickness: 10 mm.
- Within the open time limit, lay the coating on the bonded substrate and press hard or tap it so as to expel air and achieve good transfer of the adhesive mortar.
- Clean the coating with a sponge as soon as it is in place.
- Avoid wetting an already applied adhesive with water, as wetting will damage the adhesive.

PRODUCT DATA SHEET

SikaCeram®-206 Flow
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Grouting

- Wait at least 12 hours for the adhesive mortar to dry before grouting.
- Use SikaCeram® CleanGrout or SikaCeram® Epoxy-Grout grouting mortar.

CLEANING OF EQUIPMENT

Thoroughly clean all tools and equipment with clean water before the product has set, preferably immediately after use. Once hardened the product can only be removed by mechanical means

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.