

## PRODUCT DATA SHEET

# SikaCeram<sup>®</sup>-106 Pro

TILE ADHESIVE MORTAR CLASSIFIED C1TE ACCORDING TO EN 12004

## DESCRIPTION

SikaCeram<sup>®</sup>-106 Pro is a single-component premixed tile adhesive mortar, composed of highstrength cements, a high polymer content, selected quartz sand and specific additives.

## USES

SikaCeram<sup>®</sup>-106 Pro can be used for installing ceramic and various types of tiles on floors and walls.

Suitable for applications on most substrates:

- Concrete, mortar, stone, bricks, etc.

## FEATURES

- Extended open time.
- No vertical slipping.
- Easy mixing & application.
- Compatible with Cermic & various types of tiles.
- Economical.

## CERTIFICATES AND TEST REPORTS

C1TE according to EN 12004

## PRODUCT INFORMATION

Composition	Hydraulic binders, mineral fillers, specific additives.
Packaging	20 kg and 40 kg bag
Shelf life	12 months from production date
Storage conditions	Stored in the original closed and intact packaging, kept away from humidity and excessive heat
Appearance and colour	Grey or white powder
Density	approx 1.3-1.4 Kg/L (fresh mortar)

## APPLICATION INFORMATION

Consumption	Consumption depends on the nature and roughness of the substrate, the type of tile(size, thickness, water absorption & porosity) and the installation technique (single or double spreading).
Material temperature	+ 5°C min. / +35°C max.
Ambient air temperature	+ 5°C min. / +35°C max.
Pot Life	2 hours at +23°C ±2°C – RH 50% ±5%
Open Time	more than 45 minutes at +23°C ±2°C – RH 50% ±5%

## 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

Create a test area before any work with natural stone tiles.

SikaCeram®-106 Pro should not be applied in the following cases:

- On metal and wooden surfaces.
- At temperatures below +5°C or above +35°C.

## 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

### EQUIPMENT

Select the most appropriate equipment required for the project:

#### Substrate preparation equipment

- Grinding equipment
- Abrading equipment
- Power washing equipment
- Sandblasting equipment

#### Mixing equipment

- Low speed electric single or double paddle mixer (300–400 rpm) with a spiral mixing paddle.

#### Application equipment

- Notched trowel

### MIXING

Mix each bag with the appropriate quantity of water (185-200 gm of water /1 kg of powder) using an electric mixer at low speed (~500 rpm) with a suitable mixing spiral in a clean bucket until you obtain regular consistency without lumps.

After mixing, let the product sit for 2 to 5 minutes preferably, then stir the mixture briefly before application. The resulting mixture is very creamy and thixotropic and can easily be spread.

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## APPLICATION

- Spread the adhesive mortar using a trowel, then adjust the thickness with a notched spatula (choice of teeth depending on the type of the tile and the flatness of the substrate).
- In the case of double spreading, coat the back of the tile with a thin layer of adhesive mortar.
- Within the open time limit, place the tile on the substrate and press strongly or beat it so as to expel the air and obtain good transfer of the adhesive mortar.
- Clean the tile with a sponge as soon as it is put in place.
- Avoid wetting an already applied adhesive with water.
- For any other type of substrates, please contact technical support.
- For laying tiles of a size equal to or greater than 900 cm<sup>2</sup> (e.g. 30x30 cm), it is always recommended to apply the double spreading technique.

### Grouting

- Wait a minimum of 12 hours for the adhesive mortar to dry before grouting.
- Make the joints with Sika® tile Grout or SikaCeram® 405 jointing mortar.

## 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.