

PRODUCT DATA SHEET

SikaCeram[®]-100 GP

General Purpose, Cementitious Tile Adhesive

DESCRIPTION

Sika[®]Ceram-100 GP is a cementitious, non-shrink, polymer containing thin bed tile adhesive used for permanent fixing of tiles. It is ready to use with the addition of water. It can be used for bonding of tiles internally (vertical and horizontal).

USES

Uses Sika[®] Ceram-100 GP is suitable for bonding the following types of high absorption tiles :

- Ceramic,
- All types of high absorption ceramic tiles except those with very low absorption, such as glazed stoneware.

Sika[®] Ceram-100 GP can be used on substrates including :

- Concrete
- Cement Mortars
- Bricks

CHARACTERISTICS / ADVANTAGES

- Very good adhesion
- Easy to use with excellent workability and thixotropic consistency
- Good bond strengths
- Non Toxic

PRODUCT INFORMATION

Composition	Cementitious mortar modified with polymers.
Packaging	25 Kg bag
Shelf life	12 months minimum from date of production
Storage conditions	Store properly in original unopened, sealed and undamaged packaging. Keep away from direct sunlight.
Appearance / Colour	Grey powder
Maximum grain size	0.6 mm
Density	≈ 1.7 kg/litre
Tensile adhesion strength	0.3 N/mm ² (According to C0, Test method EN 1348:2007)
Consumption	The consumption depends on the surface profile and roughness of the substrate and the placing technique (simple placing or back-back-“buttering”).

One 25 kg bag will cover approximately 5 – 7 m² .

Layer thickness	Minimum 2mm Maximum 5mm
Ambient air temperature	Minimum: +5°C Maximum: +40°C
Substrate temperature	Minimum: +5°C Maximum: +35°C
Pot Life	Approximately 60 minutes.
Adjustability time	Once the tiles are set into the mortar, they can be adjusted for up to approximately 15 minutes (at +25°C).

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.

IMPORTANT CONSIDERATIONS

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 TopSeal®-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.
It is not necessary to pre-dampen the tiles.

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

The substrate must be structurally sound, clean and free from dirt, oil, grease or other contaminants and loose or friable particles.
Weak concrete and/or cement laitance must be removed by suitable mechanical means such as abrasive blast cleaning;
high pressure water jetting (minimum 150 bar); scabbling or needle gunning. On “new” or smooth faced concrete, surfaces should be sand blasted. Repairs to the substrate, filling of blowholes/voids etc. must be carried out using appropriate products from the Sika® Rep range of materials or Sika® MonoTop range. Allow a waiting time of 24 to 48 hours before placing the tiles. All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum. In normal conditions, no primer is required. Use clean, cool water to pre-dampen the substrate especially if the substrate is very porous and if the temperature is high and relative humidity low - do not leave any standing water. Variations in level must be less than 5 mm, measured with a 2 meter straight edge. If necessary, the substrate should be leveled prior to application.

MIXING

Add about 6.5 – 6.75 liters clean potable water to a 25 kg bag. Mix mechanically using a forced action mixer or slow speed drill (< 500 rpm) and mixing paddle for at least 3 minutes until a homogeneous mix, free of lumps is achieved. Do NOT use a normal free fall concrete mixer. Do not mix more material than can be used within the open time. Leave material to stand in mixing container until the majority of bubbles have dispersed (minimum 2 minutes). Then remix the material for 15 seconds – the product is now ready for use.

APPLICATION

Apply Sika®Ceram-100 GP at 2 - 3 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.

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 only be removed
mechanically.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations
the declared data for this product may vary from
country to country. Please consult the local Product
Data Sheet for the exact product data.

LEGAL NOTES

The information, and, in particular, the recommenda-
tions relating to the application and end-use of Sika
products, are given in good faith based on Sika's cur-
rent knowledge and experience of the products when
properly stored, handled and applied under normal
conditions in accordance with Sika's recommenda-
tions. In practice, the differences in materials, sub-
strates and actual site conditions are such that no war-
ranty 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 recom-
mendations, or from any other advice offered. The
user of the product must test the product's suitability
for the intended application and purpose. Sika re-
serves 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 Kenya Limited

Mudher Industrial Complex, Mombasa
Road
P.O Box 38645 - 00623 Nairobi, Kenya
Mobile: +254 711 140234 / +254 786
140234
Web: ken.sika.com

Product Data Sheet

SikaCeram®-100 GP
July 2022, Version 01.02
021710102000000267

SikaCeram-100GP-en-KE-(07-2022)-1-2.pdf

