

SikaCeram[®] CleanGrout

Cement based grouting for joints from 1 to 8 mm width, CG2 classified according to EN 13888.

Positioning
Description

SikaCeram CleanGrout is a one-pack premixed grout consisting of high quality cements, selected silica/quartz sands and specific additives, for grouting gaps from 1 to 8 mm width. The specialized additives in the powder provide active protection and prevention against mould, bacteria and fungi growth, which can stain the grout and cause damage/crumbling. The new coloring system keeps the colours from fading over time. SikaCeram CleanGrout is also water resistant, which makes it suitable for use in applications such as tanks, pools, etc. SikaCeram CleanGrout mixed with SikaCeram LatexGrout meets S1 class requirements, according to EN 12002.

Uses

- Grouting the joints between all types of ceramic tiles
- Application indoors and outdoors
- Grouting marble
- Grouting in swimming pools
- Grouting glass mosaics
- Grouting on heated flooring
- Bonding particleboard, plywood, fibre cement and strip flooring to joists

Advantages

- Water-repellent
- High degree of hardness
- UV resistant
- Frost proof
- Inhibits the growth of bacteria, mould and fungi
- Hygienic
- Abrasion resistant

Product Data

Colour: SikaCeram CleanGrout is available in a range of colours.

Packaging: 5 kg bags.

Storage & Shelf Life: 18 months in the original packaging, in a dry environment.

Technical Data

Appearance Fine powder
Mixing ratio 1.3 litres of clean water per 5 kg bag (26% in weight).
Curing time 3 min. approx.
Pot life ~ 2 hours.*
Waiting time before grouting Adhesive laid flooring: 24 hours*
 Quick-setting adhesive laid flooring: 4-6 hours*
 Mortar (traditional) laid flooring: 8-10 days*
 Adhesive laid wall cladding: 5-6 hours*
 Quick-setting adhesive laid wall cladding: 2 hours*
Hardening time Trafficable after 24 hours* - Ready for use after 7 days*
 * Values got at room conditions: 23°C – H.R. 50%. Higher temperatures reduce the indicated times, lower temperatures increase them.
Application temperature min. +5°C - max. +30°C
Thermal resistance from -30°C to +80°C



| | Test Method | Value | Requirement |
|--|--------------------------------|---------------------|------------------------|
| Abrasion resistance | EN 12808-2 | 750 mm ₃ | ≤ 1000 mm ₃ |
| Bending strength after dry storage | EN 12808-3 | 7.1 MPa | 3.5 MPa |
| Compressive strength after dry storage | EN 12808-3 | 38.0 MPa | 15 MPa |
| Bending strength freezing/thawing cycles | EN 12808-3 | 6.9 MPa | 3.5 MPa |
| Compressive strength freezing/thawing cycles | EN 12808-3 | 38.5 MPa | 15 MPa |
| Water absorption after 30 mins | EN 12808-5 | 0.8 g | ≤ 2 g |
| Water absorption after 240 mins | EN 12808-5 | 1.2 g | ≤ 5 g |
| Shrinkage | EN 12808-4 | 1.8 mm/m | ≤ 2 mm/m |
| Resistance against growth of bacteria S% (survival) | protocol CCB (RP 335/10/S CCB) | 0% | |
| Degree of mould colonization C% (growth) | BS 5980 | no visible growth | |

Consumption table Consumption indicated in the following table is expressed in g/m².

| TILE size in cm | GAP width in mm | | | |
|--------------------|-----------------|------|------|------|
| | 2 | 3 | 5 | 8 |
| Glass mosaic | 2 x 2 x 0.38 | 1300 | | |
| Mosaic | 5 x 5 x 0.4 | 450 | | |
| 10 x 10 x 0.6 | 350 | 500 | 840 | 1350 |
| 7.5 x 15 x 0.7 | 400 | 600 | 980 | 1600 |
| 15 x 15 x 0.9 | 350 | 500 | 840 | 1350 |
| 20 x 20 x 0.9 | 250 | 380 | 630 | 1000 |
| 12 x 24 x 0.9 | | | 790 | 1300 |
| 12 x 24 x 1.4 | | | 1230 | 2020 |
| 20 x 30 x 0.9 | 200 | 300 | 530 | 850 |
| 30 x 30 x 1 | 190 | 280 | 470 | 750 |
| 30 x 60 x 1 | 140 | 210 | 350 | 560 |
| 40 x 40 x 1 | 140 | 210 | 350 | 560 |
| 50 x 50 x 1 | 110 | 170 | 280 | 450 |
| 60 x 120 x 1.1 | 80 | 110 | 200 | 310 |

Coverage can be also calculated through the following formula:

$$\text{Coverage (g/m}^2\text{)} = A \times B \times [(C + D)/(C \times D)] \times 140.$$

A = Gap width (mm), B = Tile height (mm), C = Tile length (cm), D = Tile width (cm),
The mentioned coverage refers to klinker, single-fired, gres porcelain tiles.

Application Conditions

Methods of use

Substrate preparation

The surface to be grouted should be thoroughly cleaned. The joints must not show any traces of water, glue or other obstructions.

Mixing procedure

Mix one bag of product with 1.3 litres of clean water to obtain a homogeneous and creamy mixture. Use a low speed (approx. 500 rpm) electric mixer, properly cleaned.

The mixture should be lump-free and exhibit a perfectly uniform color. In case of jobs involving small quantities mixed by hand, it must be taken into consideration that even small differences in the water quantity between one mixture and the following can cause variations of the joint color. When the applications is on floors subject to high traffic, or facades, swimming pools or elastic support, replace the mixing water with the latex SikaCeram LatexGrout.

Application

SikaCeram CleanGrout is applied using a rubber trowel, taking care to completely fill the grout joint. Then, using the same trowel in a vertical position, remove the excess grout.



Cleaning

When the product starts setting, it is possible to begin the cleaning step using a damp sponge. Any remaining traces of sealant on the tile surfaces can be easily removed the next day using a soft, dry cloth. If SikaCeram LatexGrout has been used instead of water, this step should be done immediately after cleaning with a sponge.

Important!

For application on porous tiles, mix SikaCeram CleanGrout with water only. A whitish layer, that mainly consists of calcium carbonate and is commonly called efflorescence, sometimes forms on the surface of grouting made with cement-based materials. Efflorescence is caused by many factors that may interact with each other as the grouting dries. The water used for the mixture is one of these, and becomes a harmful factor if too much is used or when various mixtures are prepared with different amounts of water. The drying time also affects the color shade to a considerable degree, as it is influenced by the temperature and humidity of the air, by the residual humidity in the materials used for fixing, such as adhesives, or substrates that are not yet fully dried. Our advice is: dose the water used for the mixture in compliance with the instructions of this technical data sheet and the pack; avoid making lots of different mixtures; never stop grouting a room halfway and then continue with it the day after; always wait until the substrate and adhesive have completely dried before grouting.

Notes on Application / Limitations

- Do not exceed the recommended amount of water in the mixture. The mixture must never be fluid.
- In case dark colors are used on light polished gres porcelain or on natural stone, execute a cleanability test prior the application.
- If the tiles are very absorbent, it is advisable to wet the surface before grouting.
- Never interrupt the grouting operations for more than two hours in the same room or area.
- Do not add anything to the product that is not specified in this Technical Data Sheet

Notes

All technical data stated in this Product Data Sheet are based on tests. Actual measured data may vary due to circumstances beyond our control.

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.

Health & Safety Information**Protective Measures**

- To avoid allergic reactions, we recommend the use of protective gloves. Change soiled work clothes and wash hands before breaks and after finishing work.
- Local regulations as well as health and safety advice on packaging labels must be observed.
- For further information refer to the Sika Material Safety Data Sheet which is available on www.sika.co.nz, or on request.
- If in doubt always follow the directions given on the pack or label.

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.

