

# BUILDING PRODUCT INFORMATION SHEET

## SikaCeram® CleanGrout

Cementitious floor and wall tile grout for joints 1–8 mm

### DESCRIPTION

SikaCeram® CleanGrout is a cementitious powder floor and wall tile grout for use in joints from 1–8 mm in width. Additives contained in the powder provide protection against mould, bacterial and fungal growth while maintaining a colour stable, abrasion resistant, water repellent durable finish.

### USES

Grouting the following tile types:

- Ceramic
- Earthenware
- Glass mosaic
- Marble and other natural stones
- Grès porcelain

Grouting tiles for the following high performance and demanding applications:

- Swimming pools (excluding sea water and other aggressive treatments)
- Heated floors
- Commercial / Industrial / Residential environments
- Facades
- Interior and exterior use

### PRODUCT INFORMATION

<b>Product identifier</b>	SikaCeram® CleanGrout
<b>Place of manufacture</b>	Overseas
<b>Product declaration</b>	EN 13888: CG2WA
<b>Composition</b>	Polymer modified, portland cement based, with selected fine silica/quartz sand, water retainers and other special additives.
<b>Packaging</b>	5 kg bags. Refer to current price list for packaging variations.
<b>Shelf life</b>	24 months from date of production.
<b>Storage conditions</b>	The product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +5 °C and +30 °C. Always refer to packaging.

### FEATURES

- Floor and wall application
- Water-repellent
- Abrasion resistant
- High degree of hardness
- UV resistant
- Frost proof
- Contains mould protection

### SUSTAINABILITY

VOC emission certification GEV-Emicode EC1<sup>PLUS</sup>, license number 10143/20.10.00

### APPROVALS / CERTIFICATES

This product is covered by a harmonised European standard or conforms to a European Technical Assessment which has been issued for it. No CE Declaration of Performance is available. Following Article 4(1) of Regulation (EU) No 305/2011 (Construction Products Regulation) it is NOT ALLOWED TO PLACE THE PRODUCT ON THE MARKET in countries of the European Union, Switzerland, Norway, Iceland, Liechtenstein and Turkey. (Delete for publication in other countries).

<b>Appearance and colour</b>	Colours:				
	White	Light Grey	Cedar	Manhattan	Ice
	Grey	Ash	Anthracite	Graphite	Total Black
	Dark Brown	Jasmine	Light Sand	Beige	

**Maximum grain size**  $D_{max}$ : 0.25 mm

## TECHNICAL INFORMATION

<b>Abrasion resistance</b>	$\leq 1000 \text{ mm}^3$	( EN 12808-2)
<b>Compressive strength</b>	After dry storage	$\geq 20 \text{ N/mm}^2$ (EN 12808-3)
	After freeze/thaw cycles	$\geq 15 \text{ N/mm}^2$
<b>Flexural strength</b>	After dry storage	$\geq 4 \text{ N/mm}^2$ (EN 12808-3)
	After freeze/thaw cycles	$\geq 3 \text{ N/mm}^2$
<b>Shrinkage</b>	$\leq 3 \text{ mm/m}$	(EN 12808-4)
<b>Water absorption</b>	After 30 minutes	$\leq 1 \text{ g}$ (EN 12808-5)
	After 240 minutes	$\leq 3 \text{ g}$
<b>Microbiological resistance</b>	Bacteria survival	0 % (Protocol CCB - RP 335/10/S)
	Colonization	No growth
<b>Joint width</b>	1-8 mm	

## APPLICATION INFORMATION

<b>Mixing ratio</b>	5 kg bag	~1.3 litres of water	(26 % $\pm$ 1 %)
<b>Fresh mortar density</b>	~2.05 kg/l		

### Consumption

The consumption is dependent on the size of the tiles, joint width and depth.

#### Consumption guide: $\text{g/m}^2$

Tile Size	Joint Width			
Centimetres	2 mm	3 mm	5 mm	8 mm
Glass mosaic	1300	-	-	-
$2 \times 2 \times 0.4$				
$5 \times 5 \times 0.4$	450			
$10 \times 10 \times 0.6$	350	500	840	1350
$15 \times 15 \times 0.9$	350	500	840	1350
$20 \times 20 \times 0.9$	250	380	630	1000
$30 \times 30 \times 1$	190	280	470	750
$30 \times 60 \times 1$	140	210	350	560
$50 \times 50 \times 1$	110	170	280	450
$60 \times 120 \times 1.1$	80	110	200	310

These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level, wastage or any other variations. Apply product to a test area to calculate the exact consumption for the specific substrate conditions and proposed application equipment.

Consumption can be also calculated with the following formula:

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

A = Gap width (mm)	C = Tile length (cm)
B = Tile height (mm)	D = Tile width (cm)

**Ambient air temperature** +5 °C min. / +35 °C max.

**Substrate temperature** +5 °C min. / +35 °C max.

**Pot Life** ~2 hours

<b>Waiting time</b>	Before grouting on floor tiles laid with Normal-setting adhesive	Waiting time
	Fast-setting adhesive	24-36 hours
	Thick-bed (traditional) adhesive	4-6 hours
	Before grouting on wall tiles laid with Normal-setting adhesive	8-10 days
	Fast-setting adhesive	Waiting time
		4-6 hours
		2 hours

Above times are indicative. Always consult the appropriate tile adhesive Product Data Sheet.

<b>Applied product ready for use</b>	Use	Waiting time
	Pedestrian traffic	24-36 hours
	Full traffic	~14 days
	Water immersion	~21 days

## MANUFACTURER AND IMPORTER INFORMATION

<b>Manufacturer information</b>	Address	Sika Italia S.p.a, Via Luigi Einaudi 6, 20068 Peschiera Borromeo, Milan, Italy
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<b>Importer information</b>	Address	Sika (NZ) Limited 85-91 Patiki Road Avondale, Auckland 1026 New Zealand
	Phone number	0800 745 269
	Website	<a href="https://nzl.sika.com/">https://nzl.sika.com/</a>
	Email address	info@nz.sika.com
	NZBN	9429000018791

## BUILDING CODE INFORMATION

**Building Code clauses** Note: This product, on its own, is not within the scope of the NZ Building Code. However, when it is used as part of an impervious floor or wall lining system (E3/AS1) or with other building elements that must comply with the NZ Building Code, and it is used in accordance with that material supplier's specification and Sika's technical literature, it will contribute to meeting the requirements of the following clauses:

B2 Durability: Performance clause B2.3.1 - (b) 15 years

E3 Internal Moisture: Performance Clauses E3.3.3, E3.3.4, E3.3.5, E3.3.6

F2 Hazardous Building Materials: Performance clause F2.3.1

**Building Code compliance statements** Performance B2.3.1 (b) 15 years: This product has been evaluated in accordance with B2/VM1. It meets this durability requirement and will remain serviceable for 15 years, or more, when installed and maintained in accordance with the relevant Sika technical literature. [nzl.sika.com](https://nzl.sika.com). According to Sika's "Service Improvement" records, maintained within its ISO9001:2015 Quality Management System, this product has performed successfully since it was introduced in 2012.

Performance E3.3.3, E3.3.4, E3.3.5, E3.3.6: When this product is used as a tile grout in joints between ceramic or stone tiles, with a maximum moisture content of 6%, it contributes to meeting the Clause E3 internal moisture requirements, in accordance with E3/AS1

Performance F2.3.1: This product meets this requirement when used and applied in accordance with Sika's installation instructions and does not present a health hazard to people occupying or using the building. Refer to the Sika Product Technical Data sheet and product Safety Data Sheet [nzl.sika.com](http://nzl.sika.com) for further information if required

## BASIS OF PRODUCT DATA

All technical data in this document are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## IMPORTANT CONSIDERATIONS

- Do not exceed the recommended amount of water in the mix. The mix must never be fluid.
- The product is not suitable for chemical exposure. Use an epoxy grout from the range of SikaCeram® products.
- Prevent contact of freshly applied material with water (including rain), except during cleaning operations. Also prevent exposure with excess atmospheric humidity / condensation or residual moisture in the substrate etc.
- Avoid significant temperature variations during application and setting times, as well as excessive draughts, forced ventilation or winds.
- Excess water and ventilation, temperature variations, application on very porous tiles or on substrates leading to rapid water absorption etc. can result in colour shade variations.
- When coloured grout is applied for aesthetics such as on polished porcelain or natural stone tiles, always carry out cleanability testing on a small area prior to full application.
- On highly absorbent tiles, it is always recommended to thoroughly pre-dampen the surface before grouting.
- Always apply SikaCeram® CleanGrout in a continuous operation and do not interrupt for more than two hours in the same room or area of tiling.
- Premature exposure to water or excess water in the mix can result in white efflorescence on the grout surface.
- Avoid application in direct sunlight to avoid cracking in the joint.
- To avoid grout removal from joint, ensure grout has set sufficiently before carrying out the tile cleaning procedure.
- Do not add anything to the product that is not specified in this Product Data Sheet.
- Do not use for any applications not explicitly described in this Product Data Sheet.

## ECOLOGY, HEALTH AND SAFETY

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to

the market, to transport or to use it. For safe use follow the instructions given in this product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0.1 % (w/w).

## APPLICATION INSTRUCTIONS

### EQUIPMENT

Select the most appropriate equipment required for the project:

#### Mixing equipment

Low speed electric single or double paddle mixer (500 rpm) with spiral paddle

#### Application equipment

- Grout spreader
- Squeegee
- Grouting float/trowel.
- Sponge
- Soft cloth
- Grout finishing tool

### MIXING

**IMPORTANT!** Avoid over-mixing to minimise air entrainment.

**IMPORTANT!** Do not add additional water into the mixed product during or after mixing.

**IMPORTANT!** Do not exceed the recommended amount of water in the mix. The mix must never be fluid.

Note: For high-performance and demanding applications, such as: heavily trafficked floors, exposed facades, swimming pools or for additional flexibility. Replace water with a solution of SikaCeram® LatexGrout (Refer to the individual Product Data Sheet)

Requirement: Use a low speed electric single paddle mixer (500 rpm) with a spiral mixing paddle.

1. Pour the recommended amount of clean cold water into a clean mixing container.
2. Gradually add SikaCeram® CleanGrout powder to the water while mixing.
3. Mix thoroughly until a uniformly coloured, smooth mix is achieved.
4. Do not mix for 2–3 minutes to allow mixed product to 'mature'.
5. Remix for ~30 seconds.

### NZ BUILDING PRODUCT INFORMATION SHEET

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## APPLICATION

**IMPORTANT!** Check adhesive has fully set before grouting.

Note: When using SikaCeram® LatexGrout instead of water in the grout mix. Immediately polish the tiles after the initial cleaning with a damp sponge.

1. Apply SikaCeram® CleanGrout using a grout spreader, squeegee or grouting float/trowel.
2. Completely fill and compact the joints uniformly.
3. If required, finish grout with a grout finishing tool while grout is wet.
4. Using the same spreader/ float, remove excess grout from the tile surfaces moving the tool diagonally across the joints.
5. When the grout is touch dry. Use a damp sponge or sponge float to clean the tile surfaces. Clean sponge regularly with clean water.
6. When the grout has set hard enough in the joint (finger-nail hard). Polish the tile surfaces by wiping with a clean, soft dry cloth.

## CLEANING OF EQUIPMENT

Clean all tools and application equipment with water after use. Hardened material can only be removed mechanically.

## SUBSTRATE QUALITY

- Check joints are dry, clean, and clear of excess adhesive, contaminants and tile joint spacers. Remove from joint before grout application.
- For applications in hot climates / environments, or on absorbent substrates, thoroughly pre-dampen the surface immediately prior to product application.
- Avoid any ponding / standing water on the surface.
- Surface must not be damp to touch.

## MAINTENANCE REQUIREMENTS

For maintenance of impervious wall and floor lining systems that have been installed to enable compliance with Clause E3/AS1, refer to the supplier of the system installed

## 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 the 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. 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.

The building product/building product line is not subject to warning or ban under section 26 of the Building Act 2004.

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