

PRODUCT DATA SHEET

SikaCeram® CleanGrout

CEMENTITIOUS FLOOR/WALL TILE GROUT FOR JOINTS 1–8 MM

DESCRIPTION

SikaCeram® CleanGrout is a cementitious setting, floor /wall tile grout powder 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. For indoor and outdoor use.

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
- Heated floors
- Commercial / Industrial / Residential environments
- Facades

CHARACTERISTICS / ADVANTAGES

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

APPROVALS / CERTIFICATES

- Compliance tests for conformity according to EN 13888.
- Laboratory tests executed at Ceramic Centre of Bologna establish that the percentage of bacterial survival is naught and fungal / moulds colonization is inhibited.

PRODUCT INFORMATION

Composition	Polymer modified, portland cement based, with selected fine silica/quartz sand, water retainers and other special additives.				
Packaging	5 kg and 2 kg bags. Refer to current price list for packaging variations.				
Appearance / Colour	Colours:				
	<u>White</u>	<u>Light Grey</u>	<u>Silver</u>	<u>Manhattan</u>	<u>Ice</u>
	<u>Grey</u>	<u>Ash</u>	<u>Anthracite</u>	<u>Graphite</u>	<u>Total black</u>
	<u>Pergamon</u>	<u>Jasmine</u>	<u>Anemone</u>	<u>Beige</u>	<u>Pine</u>
	<u>Caramel</u>	<u>Maple wood</u>	<u>Dove Grey</u>	<u>Light Sand</u>	<u>Sand</u>
	<u>Cedar</u>	<u>Beech wood</u>	<u>Walnut</u>	<u>Oak wood</u>	<u>Brown</u>
	<u>Terracotta</u>	<u>Amaranth</u>	<u>Ruby</u>	<u>Dark Brown</u>	<u>Mahogany</u>
Shelf life	24 months from date of production.				
Storage conditions	Product must be stored in original, unopened and undamaged sealed pack-				

aging in dry conditions at temperatures between +5 °C and +30 °C. Always refer to packaging.

Maximum Grain Size	D _{max} : 0,25 mm		
Product Declaration	CG2WA		(EN 13888)
Water Absorption	After 30 min	≤ 1 g	(EN 12808-5)
	After 240 min	≤ 3 g	

TECHNICAL INFORMATION

Abrasion Resistance	≤ 1000 mm ³		(EN 12808-2)
Compressive Strength	After dry storage	≥ 20 N/mm ²	(EN 12808-3)
	After freeze/thaw cycles	≥ 15 N/mm ²	
Tensile Strength in Flexure	After dry storage	≥ 4 N/mm ²	(EN 12808-3)
	After freeze/thaw cycles	≥ 3 N/mm ²	
Shrinkage	≤ 3 mm/m		(EN 12808-4)
Microbiological Resistance	Bacteria survival	0 %	(Protocol CCB - RP 335/10/S)
	Colonization	No growth	
Joint width	1–8 mm		

APPLICATION INFORMATION

Mixing Ratio	5 kg bag	~1,3 litres of water	(26 % ± 1 %)
	2 kg bag	~0,5 litres of water	(26 % ± 1 %)

Fresh Mortar Density ~2,05 kg/l

Consumption

The consumption is dependent on the size of the tiles, joint width and depth.
As a guide, consumption is indicated in following table and is expressed in g/m².

Tile Size	Joint Width				
	Centimetres	2 mm	3 mm	5 mm	8 mm
Glass mosaic	1300	-	-	-	-
2 × 2 × 0,4					
5 × 5 × 0,4	450				
10 × 10 × 0,6	350	500	840	1350	
15 × 15 × 0,9	350	500	840	1350	
20 × 20 × 0,9	250	380	630	1000	
30 × 30 × 1	190	280	470	750	
30 × 60 × 1	140	210	350	560	
50 × 50 × 1	110	170	280	450	
60 × 120 × 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 or wastage etc.

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

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

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

Applied Product Ready for Use	Use	Waiting time
	Walkability	24–36 hours
	Full traffic	~14 days
	Water immersion	~21 days

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

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.

MIXING

Pour the recommended amount of clean cold water into a suitable, clean mixing container.

Slowly add SikaCeram® CleanGrout powder to the water while mixing using a low speed (~500 rpm) drill mixer. Then mix thoroughly until the material is fully mixed and lump free. Avoid entraining air into the mix by over mixing.

Allow the product to stand for 2–3 minutes before re-mixing for 30 seconds.

The finished mix has a creamy consistency, uniformly coloured and is easy to apply and spread.

For areas requiring only small quantities, these can be mixed by hand. Measure the water : powder ratio carefully as small differences in the mix ratio can result in colour shade variations.

For high-performance and demanding applications, such as heavily-trafficked floors, exposed facades, swimming pools or for additional flexibility, the water can be replaced with a solution of SikaCeram® Latex-Grout (Refer to the individual Product Data Sheet)

APPLICATION

Before grouting check adhesive has fully set.

SikaCeram® CleanGrout is applied using an appropriate tool such as a grout spreader, squeegee or grouting float/trowel.

Completely fill and compact the joints uniformly. If required, finish grout with a grout finishing tool

while grout is wet.

Using the same spreader/ float, remove excess grout from the tile surfaces moving the tool diagonally across the joints.

When the grout is touch dry. Use a damp sponge or sponge float to clean the tile surfaces. Clean sponge regularly with clean water.

When grout has set hard enough in the joint (finger nail hard). Polish the tile surfaces by wiping with a clean, soft dry cloth.

If SikaCeram® LatexGrout has been used instead of water in the grout mix, polish the tile surfaces immediately after the initial cleaning with a damp sponge.

CLEANING OF EQUIPMENT

Removal of fresh remnants from tools and application equipment can be carried out using water immediately after use. Hardened material can only be mechanically removed.

IMPORTANT CONSIDERATIONS

- Do not exceed the recommended amount of water in the mix. The mix must never be fluid.
- Do not add or allow any additional water to be added into the mixed product during or after mixing.
- 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 variation 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.
- Ensure grout has set sufficiently before carrying out the tile cleaning procedure to avoid grout being removed from joint.
- 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.

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.

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.

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.

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.

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