BUILDING TRUST

PRODUCT DATA SHEET

SikaCeram® CleanGrout

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

PRODUCT 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

CHARACTERISTICS / ADVANTAGES

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

APPROVALS / STANDARDS

EN 13888: CG2WA

PRODUCT INFORMATION

Product Declaration	EN 13888: CG2WA
Chemical Base	Polymer modified, portland cement based, with selected fine silica/quartz sand, water retainers and other special additives.
Packaging	5 kg bags. Refer to current price list for packaging variations.
Shelf Life	24 months from date of production.
Storage Conditions	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.
Appearance / Colour	Colours:

White	Light Grey	Silver	Manhattan	Ice
Grey	Ash	Anthracite	Graphite	Total black
Pergamon	Jasmine	Anemone	Beige	Pine
Caramel	Maple wood	Dove Grey	Light Sand	Sand
Cedar	Beech wood	Walnut	Oak wood	Brown
Terracotta	Amaranth	Ruby	Dark Brown	Mahogany

Maximum Grain Size	D_{max}: 0.25 mm		
Water Absorption	After 30 minutes	≤ 1 g	(EN 12808-5)
	After 240 minutes	≤ 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	
Flexural Strength	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 %)

Fresh mortar density

~2.05 kg/l

Consumption

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

Consumption guide: g/m²

Tile Size	Joint Width			
Centimetres	**2 mm**	**3 mm**	**5 mm**	**8 mm**
Glass mosaic 2 × 2 × 0.4	1300	-	-	-
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, 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:
Consumption (g/m²) = A × B × [(C + D)/(C × D)] × 140.

A = Gap width (mm)
B = Tile height (mm)
C = Tile length (cm)
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	Waiting time
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
Pedestrian traffic	24–36 hours
Full traffic	~14 days
Water immersion	~21 days

VALUE BASE

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

- 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

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

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

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

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.

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 TOOLS

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

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.

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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