

PRODUCT DATA SHEET

SikaCeram[®]-650 Tile Grout KE

A HIGH PERFORMANCE WATER REPELLENT FLEXIBLE TILE GROUT FOR TILE AND STONE

DESCRIPTION

- SikaCeram[®]-650 Tile Grout KE is a high performance flexible cement based tile grout suitable for most tiling applications including wet & dry areas, kitchens, outdoor areas including submerged applications such as pools and spas and commercial applications.
- SikaCeram[®]-650 Tile Grout KE is mould and bacteria resistant.
- SikaCeram[®]-650 Tile Grout KE hydrophobic nature repels water and is resistant to staining.
- The unique SikaCeram[®]-650 Tile Grout KE is resistant to efflorescence and provides excellent colour consistency with a smooth finish.
- SikaCeram[®]-650 Tile Grout KE is suitable for joints 1-8mm wide.

USES

SikaCeram[®]-650 Tile Grout KE is suitable for use with most common tile such as natural stone, marble, granite, limestone, porcelain, and mosaics.

PRODUCT INFORMATION

Packaging	3 kg plastic film bags
Appearance / Colour	SikaCeram [®] -650 Tile Grout KE is available in a variety of colours - Grey, White, Ivory, Biege, Brown, Black among others.
Shelf life	12 months from date of manufacture if stored unopened.
Storage conditions	Store in cool, dry area off ground out of direct sunlight
Density	Approximately 1.85 kg/L

APPLICATION INFORMATION

Mixing ratio SikaCeram®-650 Tile Grout KE requires 30-34 % of clean, cool, potable water per bag (check actual bag weight).

Consumption Grout Coverage chart kg per m²

Tile size (mm)	Joint 1 mm	Joint 3 mm	Joint 5 mm	Joint 8 mm
20x20x4 Mo-saic	0.80 kg	2.38 kg	4.00 kg	
50x50x4 Mo-saic	0.32 kg	1.00 kg	1.60 kg	
100x100x6	0.26 kg	0.79 kg	1.20 kg	2.11 kg
200x100x6	0.20 kg	0.59 kg	1.06 kg	1.58 kg
200x200x6	0.13 kg	0.40 kg	0.66 kg	1.06 kg
300x300x8	0.11 kg	0.35 kg	0.59 kg	0.95 kg
400x400x8	0.09 kg	0.26 kg	0.44 kg	0.70 kg
600x600x9	0.07 kg	0.20 kg	0.33 kg	0.53 kg
800x800x9	0.05 kg	0.16 kg	0.25 kg	0.40 kg
1200x600x10	0.07 kg	0.16 kg	0.28 kg	0.44 kg

Coverage shall vary depending upon the texture, size, thickness and application technique of the grout. Use chart as a guide only.

Substrate temperature 5°C & below 35°C

Pot Life 60 minutes at 22°C & 50% relative humidity

Applied product ready for use

Application	Return to service
Dry areas	24 Hours
Heavy pedestrian traffic	3 - 4 days
Wet areas	3 days
Submerged / pools	21 days

Return to service times shall depend on environment conditions, test results are conducted in laboratory conditions at 23°C & 50% relative humidity.

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

- SikaCeram®-650 Tile Grout KE is not suitable for chemical resistant grout joints. Use Davco Epoxy grout for these installations.
- Efflorescence is beyond the control of the manufacturer due to uncontrollable external influences.
- Staining, and discoloration may occur with some moisture sensitive stone and tile. A test area is recommended.
- Colour consistency may vary in accordance to drying times, site conditions, climate and variations in joint width and depth.
- In submerged applications, use a Sika branded grout additive diluted with water, refer to the additive PDS for additional information.
- Ensure, movement, control, and perimeter joints are installed as per BS 5385.4

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

- Ensure adhesive is set, hard & dry prior to grouting.
- Ensure joints are clean from dirt, debris, and excessive adhesive.
- Remove all spacers and lugs from the joints prior to grouting.

MIXING

1. Slowly add the measured liquid (refer to Mixing ratio) into a clean mixing bucket. Mix the liquid if additive is being used.
2. Slowly add the SikaCeram®-650 Tile Grout KE powder to the water while stirring with the mixing paddle attached to the drill.
3. Stir the mixture for approximately 2-3 minutes until



a smooth lump free consistency is achieved (similar to toothpaste).

4. Allow the mixture to stand/rest for 5 minutes then restir for an additional minute.
5. SikaCeram®-650 Tile Grout KE is now ready for use. SikaCeram®-650 Tile Grout KE may require restirring during its pot life. Do not add additional water

APPLICATION

1. Lightly dampen the grout joint prior to grouting, particularly when using porous tiles and or in hot and or windy conditions.
2. Work the grout in a diagonal motion using a rubber grout float or squeegee.
3. Ensure joint are completely full and that grout doesn't just sit at the top of the joint.
4. Remove the excess grout from the face of the tiles while installing grout.
5. Allow the grout to firm from 10-15 minutes.
6. Clean and profile the grout with a clean semi-dry (rinse & wring out) sponge of the surface of the tile and joints lightly wiping in a circular motion. Use as little water as possible to avoid shade variation, efflorescence, and shrinkage.
7. Wipe off in a diagonal motion with the clean sponge. Again, using as little water as possible.
8. Protect from rain, the elements & traffic while the grout is drying.
9. Timing of the cleaning of the grout shall vary in accordance to site condition such as climate, temperature, wind, and location

Clean up and return to service

- Allow the grout to dry for 12-24 hours before polishing off any residual grout haze with a microfibre cloth.
- Hard to remove haze can be removed with Sika Branded Tile & Grout cleaner.

APPLICATION METHOD / TOOLS

Equipment

- Personal protective equipment
- Mixing buckets with clean water
- Drill with mixing paddle attachment (max 500rpm)
- Clean sponges
- Microfibre cloth / dry cloth
- White scouring pad
- Grout float / rubber squeegee

CLEANING OF EQUIPMENT

Tools and equipment can be cleaned with water before the grout dries. Grout that has dried will need mechanical removal.

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.

Sika Tanzania Construction Chemicals Limited

Plot No. 135
Mbezi Industrial Area, Kinondoni
P.O Box 7079 Dar es Salaam
Tanzania
Phone: +255 699 784 926



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