

PRODUCT DATA SHEET

SikaTile®-670 TG Pool

CEMENTITIOUS TILE GROUT FOR SWIMMING POOL

DESCRIPTION

SikaTile®-670 TG Pool is a polymer-modified cementitious tile grout designed for joints ranging from 2 to 10 mm. It offers excellent strength, adhesion, and crack resistance properties. The product is hydrophobic and provides good UV resistance.

USES

- Wet areas such as swimming pool, fishpond, fountain, spa, and sauna.
- For tile gap between 2-10 mm.
- Wall and floor.
- Interior and exterior.
- Most general types of tiles.

FEATURES

- Specially designed for use in swimming pools, spas, saunas, fishponds, and fountains.
- Resistant to pool chemicals.
- Prevents black mold and fungus growth.
- Resistant to water pressure.
- Easy to mix and apply.

CERTIFICATES AND TEST REPORTS

- EN13888 CG2WA/ISO 13007
- ANSI 118.7
- Low VOCs

TECHNICAL INFORMATION

Abrasion resistance	≤ 1,000 mm ³ (at 28 days)	
Compressive strength	≥ 15 MPa (at 28 days)	
Flexural-strength	≥ 2.5 MPa (at 28 days)	
Shrinkage	≤ 3 mm/m (at 28 days)	
Water absorption	after 30 min.	≤ 2 g (at 28 days)
	after 240 min.	≤ 5 g (at 28 days)

PRODUCT INFORMATION

Packaging	12.3 kg pail, containing Part A (SikaTile®-670 TG Pool) in 1 kg x 10 bags and Part B (Polymer emulsion) in 230 ml x 10 bags.
Shelf life	12 months from date of production if stored properly in undamaged original sealed packaging.
Storage conditions	Store in dry conditions and protected from direct sunlight.
Appearance and colour	White and Granite

APPLICATION INFORMATION

Consumption

The consumption of grout varies depending on the size and thickness of the tile, as well as the width of the tile joints (unit: kg/m²)

Tile size	Thickness	Joint width	Joint width	Joint width
		1 mm	2 mm	3 mm
1"x1"	4 mm	0.54	1.09	1.63
2"x2"	4 mm	0.27	0.54	0.82
4"x4"	5 mm	0.17	0.34	0.51
4"x4"	10 mm	0.34	0.68	1.02
8"x8"	5 mm	0.09	0.17	0.26
8"x8"	10 mm	0.17	0.34	0.51
12"x12"	5 mm	0.06	0.11	0.17
12"x12"	10 mm	0.11	0.23	0.34
16"x16"	5 mm	0.04	0.09	0.13
16"x16"	10 mm	0.09	0.17	0.26
18"x18"	5 mm	0.04	0.08	0.11
18"x18"	10 mm	0.08	0.15	0.23
20"x20"	5 mm	0.03	0.07	0.10
20"x20"	10 mm	0.07	0.14	0.20
24"x24"	5 mm	0.03	0.06	0.09
24"x24"	10 mm	0.06	0.11	0.17

Tile size	Thickness	Joint width	Joint width	Joint width
		4 mm	5 mm	6 mm
1"x1"	4 mm	2.18	2.72	3.26
2"x2"	4 mm	1.09	1.36	1.63
4"x4"	5 mm	0.68	0.85	1.02
4"x4"	10 mm	1.36	1.70	2.04
8"x8"	5 mm	0.34	0.43	0.51
8"x8"	10 mm	0.68	0.85	1.02
12"x12"	5 mm	0.23	0.28	0.34
12"x12"	10 mm	0.45	0.57	0.68
16"x16"	5 mm	0.17	0.21	0.26
16"x16"	10 mm	0.34	0.43	0.51
18"x18"	5 mm	0.15	0.19	0.23
18"x18"	10 mm	0.30	0.38	0.45
20"x20"	5 mm	0.14	0.17	0.20
20"x20"	10 mm	0.27	0.34	0.41
24"x24"	5 mm	0.11	0.14	0.17
24"x24"	10 mm	0.23	0.28	0.34

(roughly 1 inch = 2.5 cm. = 25 mm.)

Waste will occur according to actual field performance including working method, skill, and site condition.

Ambient air temperature

min. +5°C to max. +35°C

Mixing ratio

Part A (SikaTile®-670 TG Pool) 1 bag (1 kg) : Part B (Polymer emulsion) 1 bag (230 ml)

Pot Life

30 min. (at 35°C)

Curing time

24 hr.

Waiting time

Tile grout can be applied after 24 hours of tiling application.
Wait 3 - 7 days before filling with water.

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

- Do not allow the addition of any water or liquid.
- Avoid applying in direct sunlight; create shade over the areas being worked on.
- Use a damp sponge on the tile surface to reduce the surface temperature before applying tile grout.
- Not suitable for movement joints.
- Wear gloves and safety goggles.

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 Material Safety Data Sheet containing physical, ecological, toxicological, and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

- Clean and remove any dirt or contaminants remaining in the joints.
- Make sure the joints are clean and dry before grouting.
- Dampen the joint for high water absorption tile.

MIXING

- Put Part B (Polymer emulsion) 1 bag in a mixing bucket.
- Gradually add Part A (SikaTile®-670 TG Pool) 1 bag into the bucket and mix with a power drill until the compound is evenly homogeneous, lump-free paste.
- Leave to stand for several minutes.
- Do not add any additional water.

APPLICATION

- Allow 24 hours after tilling.
- Use a rubber float to fill the joint in a diagonal motion.
- Remove excess grout.
- Ensure the grout is pressed into the joint and not just sitting on top.
- Quick clean with a damp sponge.
- Allow 2 hours before cleaning with a dry cloth.
- Allow 1 day before foot traffic.
- Allow 3 - 7 days before filling with water.

CLEANING OF EQUIPMENT

Remove grout from tools, equipment, and tiles with clean water after application.

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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