

PRODUCT DATA SHEET

SikaTile®-640 TG Thin Gap

PREMIUM CG2WA CEMENTITIOUS TILE GROUT FOR THIN GAP

DESCRIPTION

SikaTile®-640 TG Thin Gap is a CG2WA polymer-modified premixed colored tile grout for thin to extra thin joints 0.5-2 mm with water-repellency properties. It provides active protection against bacteria, algae, fungi, or black mold, which can cause stains or deterioration of the grouting.

USES

- Grouting the joints for most general types of tiles.
- Grouting gaps from 0.5 to 2 mm width.
- Floor and wall.
- Exterior and Interior.
- Especially used in damp areas such as bathrooms, kitchens, bedrooms, balconies, and other residential or common areas.

FEATURES

- Great ability to flow deeply and bond in narrow joints ranging from 0.5 to 2 mm.
- Clean+ technology with a hygienic formula; anti-black mold and fungus; anti-bacteria, antialgae.
- Water-repellent, low porosity, and anti-dirt absorption.
- High strength, good adhesion, crack, and abrasion resistance.
- Resist to general cleaning agents.

CERTIFICATES AND TEST REPORTS

- EN13888 CG2WA
- ANSI 118.6

PRODUCT INFORMATION

| | |
|---------------------------|--|
| Packaging | 1 kg bag, 10 bags per box |
| Shelf life | 12 months from the date of production if stored properly in undamaged original sealed packaging. |
| Storage conditions | Store in dry conditions and protected from direct sunlight |
| Colour | 5 colors snow white, cornsilk, grey, granite, and midnight black |

TECHNICAL INFORMATION

| | | |
|-----------------------------|----------------------------------|-----------------|
| Abrasion resistance | ≤ 1000 mm ³ (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 (28 days) |
| | after 240 min | ≤ 5 g (28 days) |

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 - max. +35°C

Mixing ratio

SikaTile®-640 TG Thin Gap 1 kg bag per 0.33 liters of clean water

Pot Life

approx. 120 min. (25°C)

Waiting time

Tile grout can be applied after 24 hours of tiling application.
Wait 24 hours before traffic.

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

- Not suitable for movement joint
- 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.

MIXING

Mix 1 kg. bag of SikaTile®-640 TG Thin Gap with 0.33 liters of clean water until the product is evenly distributed. Let it stand for several minutes. Re-stir before using. Only mix enough grout to cover 2 sqm. at a time.

APPLICATION

- Wait 24 hours after tiling before applying tile grout
- Use a rubber trowel to fill the joint in a diagonal motion
- Wipe off excess grout
- Ensure the grout is pressed into the joint and not just sitting on the top
- Quickly clean with a damp sponge
- Allow 2 hours before cleaning with a dry cloth
- Allow 24 hours before allowing traffic

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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