

PRODUCT DATA SHEET

SikaTile®-850 Ultima Grout (CA)

Professional grade ready-to-use grout

PRODUCT DESCRIPTION

SikaTile®-850 Ultima Grout (CA) is a professional-grade, ready-to use grout. formulated using coloured quartz technology. For grout joints from 1.5 mm (1/16 in) to 13 mm (1/2 in). SikaTile®-850 Ultima Grout (CA) ensures colour consistency, excellent stain resistance, ease of cleanability and improved workability due to its sag free consistency. In addition, SikaTile®-850 Ultima Grout (CA) will not effloresce and does not require sealing.

WHERE TO USE

Suitable for grouting the following types of tiles:

- Impervious porcelain and glass tile
- Vitreous, semi-vitreous or non-vitreous tile
- Ceramic, mosaic, quarry, cement body tile
- Natural stone tile, granite, and slate
- Cement-based precast terrazzo
- Textured or matt Luxury vinyl tile (LVT)

For the following applications:

- Residential and commercial interior and exterior floor and walls
- Wet areas, bathtub surrounds, shower walls and shower floors
- Countertops and backsplashes

CHARACTERISTICS / ADVANTAGES

- Ready-to-use - Use right from the pail, without the need to mix or add water
- Reusable – tightly close lid and store properly for reuse
- Provides hard, durable, and full grout joints for professional results
- Colour consistent with no efflorescence
- Virtually stainproof, no sealing required
- Will not promote mould, mildew or bacteria growth
- Comes in all SikaTile colours
- Low VOC

PRODUCT INFORMATION

Composition / Manufacturing	Emulsion polymer with additives and coloured aggregates
Packaging	3.78 L (1 US gal.) pail
Appearance / Colour	Available in 10 colours; Refer to SikaTile® colour card for colour offering.
Shelf Life	24 months from date of production when stored in the original, unopened package
Storage Conditions	Store in an undamaged, original, unopened package, in dry conditions at 23 °C (73 °F). For best results, condition the product between 18 °C (65 °F) and 29 °C (84 °F) before using.
pH-Value	Between 7 and 9

Yield

SikaTile®-850 Ultima Grout (CA) Coverage in m ² (ft ²) per 3.78 L (1 US gal.) *						
Tile Size	Grout Joint Width					
	1.5 mm (1/16 in)	3 mm (1/8 in)	4.5 mm (3/16 in)	6 mm (1/4 in)	10 mm (3/8 in)	13 mm (1/2 in)
25 mm x 25 mm x 6 mm (1 in x 1 in x 1/4 in)	5.2 (56)	2.9 (31)	2.1 (22)	1.7 (18)	1.3 (14)	1.1 (11)
150 mm x 150 mm x 6 mm (6 in x 6 in x 1/4 in)	29.2 (314)	14.8 (159)	10 (107)	7.6 (81)	5.6 (60)	4.6 (49)
200 mm x 200 mm x 10 mm (8 in x 8 in x 3/8 in)	25.8 (277)	13.1 (141)	8.8 (94)	6.7 (72)	4.6 (49)	3.5 (37)
300 mm x 300 mm x 10 mm (12 in x 12 in x 3/8 in)	38.6 (415)	19.4 (208)	13.1 (141)	9.9 (106)	6.7 (72)	5.1 (54)
150 mm x 610 mm x 10 mm (6 in x 24 in x 3/8 in)	31 (333)	15.7 (169)	10.5 (113)	8 (86)	5.4 (58)	4.2 (45)
300 mm x 610 mm x 10 mm (12 in x 24 in x 3/8 in)	51.4 (553)	25.8 (277)	17.3 (186)	13.1 (141)	8.8 (94)	6.7 (72)
610 mm x 610 mm x 10 mm (24 in x 24 in x 3/8 in)	77.1 (829)	38.7 (416)	25.9 (278)	19.6 (211)	13.2 (142)	10 (107)

* Coverage shown is for estimating purposes only. Actual coverage may vary due to installation techniques and actual tile types and sizes used on the job.

Applied Product Ready for Use

Do not disturb grout or walk over installed tiles for at least 24 hours after grouting. Do not allow heavy traffic over installed tiles for at least 7 days after grouting. For residential showers and tub surrounds, restrict use for 2 days after grouting. Lead time prior to stain resistance at least 3 days.

Final Set Time

≤ 24 hours

(ASTM C266)

Finishing Time

Up to 30 minutes

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

LIMITATIONS

- Do not use SikaTile®-850 Ultima Grout (CA) below 10 °C (50 °F) or above 35 °C (95 °F) or for exterior grouting when rain is expected within 24 hours on inclined wall or 72 hours over horizontal floor.
- Not for use in complete water submerged installations such as pools and spas, waterfalls, fountains, steam showers, or other areas with standing water.
- Not for use in either industrial applications or in areas subjected to harsh or continuous chemicals, high heat, or high-pressure cleaning.
- Not for use in movement joints or changes of plane in the tile installation. In these areas, use an appropriate caulk or sealant such as Sikasil® -GP.

Warning: Some sensitive tiles such as glass mosaic can be permanently scratched, dulled or damaged by the silica aggregate filler when grouting. Perform a test on a

small area in order to validate usage and results.

As well, Sika recommends :

- That joint width should be between 1.5 mm (1/16 in) and 13 mm (1/2 in).
- That tile or stone with high absorption, surfaces that are porous or rough, textured surfaces and some types of porcelain tile may require sealing prior to grouting to prevent possible staining.

ENVIRONMENT, HEALTH & 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

SURFACE PREPARATION

For best results, the temperature of the substrate or tile must be between 18 °C (65 °F) and 35 °C (95 °F) while grouting. For proper curing, maintain this temperature

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October 2025, Version 01.01

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range for 72 hours after application. Before grouting, make sure that the tiles or stones are firmly set and that the adhesive or mortar is completely dry and remove all spacers. Grout joints must be clean and free of standing water, dust, dirt, and foreign matter. Remove excess adhesive or mortar from the joint area so that 2/3 of the tile depth is left available for grouting. Remove all spacers, pegs or ropes. Clean the tile or stone surface to remove dust, dirt, mortar, adhesive and other contaminants that may cause grout discolouration by using a vacuum with a brush attachment and agitate the surface.

MIXING

No mixing required

APPLICATION

Lightly dampen absorptive, highly porous tile or stone with clean, cool water but leave no standing water in the open joint space. With a rigid sharp-edge rubber float held at a 45° angle, force grout diagonally into the joint, ensuring that the grout is well-compacted, free of voids and pin holes, and filled flush with the tile or stone edge. Remove excess grout through successive diagonal passes using the edge of the rubber float held at a sharp 90° angle.

FINAL CLEAN UP

Allow grout to harden for about 20 to 30 minutes. Using a slightly dampened cellulose sponge, loosen up all excess grout over the tile with a circular motion. Do not add water before everything is well loosened up. Clean the sponge, and then while slightly damp (not wet), gently wipe excess material from the surface using light and delicate diagonal passes. Change water and rinse the sponge frequently. Keeping the water and sponge clean will achieve better joint colour uniformity.

Wait at least 15-30 minutes before removing the final haze from the tile or stone surface with a slightly dampened white scrubbing pad or a microfiber towel.

Important: Do not let water sit on top of grout joints as it will interfere with the final clean up and curing, thus causing poor results.

Notes: After 24 hours, cleanup becomes very difficult. If a light haze remains, it may still be removed using a white scrub pad or microfiber towel and a household window cleaner. Carefully avoid contaminating the grout joints.

EXPANSION JOINTS AND CONTROL JOINTS

Install control joints where tiles abut restraining surfaces, around the perimeter of the work and at the base of columns and curbs. Install and space expansion and control joints in all directions in accordance

with TTMAC Specification Guide 09 30 00 Detail #301-MJ recommendations.

CAUTION: DO NOT cut EXPANSION JOINTS in after the tiles have been installed. Install tiles normally and stop when the control joint location is reached. Cut the tile if required and resume setting from the opposite side of the joint. Before proceeding further, rake the joint and leave the tile and joint space clean. DO NOT FILL EXPANSION JOINT SPACE UNTIL GROUTING IS COMPLETED on the remainder of the job. Install a suitable industry-approved compressible bead and flexible sealant to caulk expansion and control joints.

CURING TREATMENT

Protect floors from light foot traffic for at least 24 hours and from heavy commercial traffic for at least 7 days after grouting is completed. Protect walls from impact and vibration for at least 24 hours after grouting. Wait 3 days after grouting before water exposure.

PROTECTING NEW TILE WORK

On completion of tiled floor, the user of SikaTile®-850 Ultima Grout (CA) should inform the owner/agent or general contractor that it is their responsibility to allocate provision of proper installation and protection environments needed after the installation to prevent damage, as well as respecting cure times before exposing the installation to work from other trades.

CLEAN UP

Clean all tools and equipment after use with water. Once hardened, the product can only be removed mechanically.

MAINTENANCE

NORMAL MAINTENANCE

Remove debris and dirt from all tiled floors. Large areas should be dust mopped with a non-treated dust mop as necessary. Normal maintenance involves periodic washing with clean, potable water and neutral (pH=7) cleaners. Soap-less cleaner is preferred because it will minimize streaking and filming. Cleaners should never contain acid or bleach. Even a light solution of vinegar and water, will etch and eventually damage natural stone. Follow manufacturers instructions.

CAUTION: Any flooring surface, regardless of how it is finished, can be slippery when wet. Promptly remove liquids or foreign materials that might result in safety hazards before permitting pedestrian traffic.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product

may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca

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