

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 uniformity, 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:

- Ceramic tile, porcelain tile, quarry tile, mosaic tile and glass tile
- Natural stone tile, granite and slate
- Cement-based precast terrazzo
- Textured or mat Luxury vinyl tile (LVT)

For the following applications:

- Residential and light commercial interior floor and walls including 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
- Excellent stain resistance
- 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.

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.

Properties tested at 23 °C (73 °F) / 50 % r.h. unless stated otherwise.

LIMITATIONS

- Do not use SikaTile®-850 Ultima Grout (CA) below 10 °C (50 °F) or above 32 °C (90 °F).
- Do not use for commercial floors with medium to heavy traffic. In such case refer to SikaTile®-815 Secure Grout (CA).
- Do not use for exterior applications. In such case refer to SikaTile®-815 Secure Grout (CA).
- Do not use in complete water submerged installations such as pools and spas, waterfalls, fountains, steam showers, or other areas with standing water. In such case refer to SikaTile®-815 Secure Grout (CA).
- Do not use in either industrial applications or in areas subjected to harsh or continuous chemicals, high heat, or high-pressure cleaning.
- Do not 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.

As well, Sika® recommends:

- That joint width should be between 1.5 mm (1/16 in) to 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.

Warning: Some soft glass mosaics, some glazed wall tiles or soft stones can be permanently scratched, dulled or damaged by the silica aggregate filler when grouting. Perform a test on a small inconspicuous area in order to validate usage and results.

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 29 °C (84 °F) while grouting. For proper curing, maintain this temperature range for 72 hours after application. Before grouting, make sure that the tiles or stones are firmly set and that

Product Data Sheet

SikaTile®-850 Ultima Grout (CA)

February 2026, Version 01.06

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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 mat tiles 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. The grout should be finished evenly to the base of the cushion or bevelled edge. Remove excess grout through successive diagonal passes using the edge of the rubber float held at a sharp 90° angle.

Allow grout to harden for about 10 to 20 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 uniformity and allow rinsing off the residue from the tile more efficiently only leaving a small trace (i.e., a very thin film)

Wait at least 20 to 30 minutes before removing the final haze from the tile or stone surface with a slightly dampened white scrubbing pad or a microfibre 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 film remains, it can be removed with a microfiber cloth using the palm of your hand or a white scouring pad (applying only light pressure) after lightly misting the tiles with a household glass 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 after tiling 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 light commercial traffic for at least 72 hours after grouting is completed. Protect walls from impact and vibration for at least 24 hours after grouting. Wait 72 hours 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

ROUTINE MAINTENANCE

As per TTMAC's Hardsurface Maintenance Guide:

- Use only non-oil-based neutral cleaner, non-acidic, neutral PH cleaners.
- Wipe glazed wall tiles periodically using a cloth or sponge dampened with a non-oil-based household cleaner.
- Vacuum glazed floor tiles regularly to remove dirt and other gritty particles, then damp mop or sponge with an all-purpose, non-oil-based cleaner.
- Do not use ammonia, as it will discolour grout.
- Clean unglazed wall and floor tiles in a similar manner using a solution of water and a PH neutral detergent or a tile cleaner following manufacturers recommendations.

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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Product Data Sheet

SikaTile®-850 Ultima Grout (CA)
February 2026, Version 01.06
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