

## PRODUCT DATA SHEET

# SikaTile®-850 Ultima Grout

### PROFESSIONAL GRADE READY-TO-USE GROUT

#### PRODUCT DESCRIPTION

SikaTile®-850 Ultima Grout is a professional-grade, ready-to-use grout designed for commercial and residential installations with porcelain, ceramic and natural-stone tiles, glass tile, Gauged Porcelain Tile Panels and Slabs (GPT), luxury vinyl tile (LVT), luxury vinyl plank (LVP). SikaTile®-850 Ultima Grout can be used to grout interior and exterior applications as well as intermittent wet conditions such as bathtub surrounds, shower walls, and shower floors. It is formulated using colored quartz technology, which ensures color consistency, excellent stain resistance, ease of cleanability, and improved workability. In addition, this grout will not effloresce and does not require sealing. Used for grout joints from 1/16" to 1/2" (1.5 to 13 mm).

#### USES

- For interior and exterior applications in both residential and commercial.
- For grouting floors, walls, countertops, backsplashes, and intermittent wet conditions such as bathtub surrounds, shower walls and shower floors.
- For joint widths from 1/16" to 1/2" (1.5 to 13 mm).
- For grouting luxury vinyl tile and plank (LVT/LVP).

#### SUITABLE TILE TYPES

- Brick and thin brick
- Cement-based precast terrazzo
- Impervious porcelain and glass tile
- Natural stone tile, granite, and slate
- Vitreous, semi-vitreous or non-vitreous tile:
  - Ceramic, mosaic, quarry, cement body tile

#### CHARACTERISTICS / ADVANTAGES

- Superior performing ready to use grout
- No mixing, easy to spread and clean
- Color consistent with no efflorescence
- Virtually stainproof, no sealing required
- For grout joints from 1/16" to 1/2" (1.5 to 13 mm)
- Provides hard, durable, and full grout joints for professional results
- For interior and exterior floors, walls, and countertops
- For grouting luxury vinyl tile and plank (LVT/LVP)
- 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
- Mold and mildew resistant

## ENVIRONMENTAL INFORMATION

Sika® is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v4.1 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

## APPROVALS / STANDARDS

American National Standards Institute (ANSI) — ANSI A108.3\* and A118.6\* of the American National Standards for the Installation of Ceramic Tile ASTM International (ASTM)

- Ready-to-use grouts do not yet have ANSI requirements — \*SikaTile®-850 Ultima Grout meets specific tests in ANSI A118.3 and A118.6 covering other grout types.
- Resilient Floor Covering Institute - (RFCI) Recommended Work Practices for Removal of Resilient Floor Coverings
- Tile Council of North America (TCNA) - TCNA Handbook for Ceramic Tile Installation, TCNA EJ171 Movement Joint Guidelines.

## PRODUCT INFORMATION

Chemical Base	Emulsion polymer with additives and colored aggregates
Packaging	1 Gallon (3.78 L) Pail
Shelf Life	18 months from date of production when stored in original, sealed package
Storage Conditions	Store in undamaged, original, sealed package, in dry conditions at 73° F (23° C)
Appearance / Color	Available in 14 colors; Refer to SikaTile® grout kit or color card for actual colors

## TECHNICAL INFORMATION

Compressive Strength	> 3,000 psi at 28 days - ANSI A118.6* * Modified ANSI method: 28 days at 73°F (23°C) in a grout joint.
Joint width	1/16" to 1/2" (1.5 to 13 mm)

## APPLICATION INFORMATION

### Coverage

SikaTile®-850 Ultima Grout Coverage in sqft. (m²) per 1 gal. (3.79 L)*						
Tile Size	Grout Joint Width					
	1/16" (1.5 mm)	1/8" (3 mm)	3/16" (4.5 mm)	1/4" (6 mm)	3/8" (10 mm)	1/2" (12 mm)
2" x 2" x 1/4" (50 x 50 x 6 mm)	103 (9.6)	50 (4.7)	33 (3.1)	24 (2.2)	15 (1.4)	11 (1.0)
4-1/4" x 4-1/4" x 1/4" (108 x 108 x 6 mm)	221 (20.5)	109 (10.1)	72 (6.7)	54 (5.0)	35 (3.3)	26 (2.4)
6" x 6" x 1/4" (150 x 150 x 6 mm)	313 (29.1)	155 (14.4)	103 (9.6)	77 (7.2)	50 (4.7)	37 (3.4)
8" x 8" x 3/8" (200 x 200 x 10 mm)	278 (25.8)	138 (12.8)	91 (8.5)	68 (6.3)	45 (4.2)	33 (3.1)
12" x 12" x 3/8" (300 x 300 x 10 mm)	417 (38.7)	208 (19.3)	138 (12.8)	103 (9.6)	68 (6.3)	50 (4.7)
6" x 24" x 3/8" (150 x 610 x 10 mm)	334 (31.0)	166 (15.4)	110 (10.2)	82 (7.6)	54 (5.0)	40 (3.7)
12" x 24" x 3/8" (300 x 610 x 10 mm)	557 (51.7)	278 (25.8)	184 (17.1)	138 (12.8)	91 (8.5)	68 (6.3)

\*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.

## BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

## AVAILABILITY/WARRANTY

Property	Test Method	Requirement	Typical Results
Vertical Sag in Joints	A118.3	No noticeable change in joint shape	Pass
Cleanability	A118.3	ANSI A118.3	Pass
Hardness at 72 Hours	Shore A	-	85

## LIMITATIONS

- Do not use SikaTile®-850 Ultima Grout below 50° F (10° C) or above 95° F (35° C) and do not allow grout to freeze for the first 72 hours.
- Joint width should be between 1/16" and 1/2" (1.5 mm and 13 mm).
- 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.
- 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. For heavy industrial tile installations, use SikaTile®-825 Epoxy Grout.
- 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® N-Plus.

## ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

## APPLICATION INSTRUCTIONS

### SURFACE PREPARATION

For best results, the temperature of the substrate or tile must be between 50°F and 95°F (10°C and 35°C) 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 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. Clean the tile or stone surface to remove dust, dirt, mortar, adhesive, and other contaminants that may cause grout discoloration.

### MIXING

No mixing required

### APPLICATION

Read all installation instructions before installation and reference ANSI A108.10-1999. Slightly moisten the tile surface with a damp, rounded grout sponge just before application. Force the grout into the joints with a medium-to-hard rubber float held at a 45-degree angle to the tile surface. Make sure all joints are full and are free of voids and gaps. Remove excess grout from the tile surface, holding the float at an almost 90-degree angle to the surface and moving the float diagonally to the joints while the grout is still fresh. Ensure grout surface is flush with the tile edge. Once grouting is complete, replace the protective coated inner lid in the pail by pushing down until it contacts the unused grout. Make sure the plastic lid is closed tightly and the product is good for reuse.

### CLEAN-UP:

Cleaning should begin after the surface begins to dry and skin-over, usually within 5 to 10 minutes, depending on ambient conditions and the porosity of the tile. Grout areas between 25 and 40 sq. ft. (2.3 to 3.7 m<sup>2</sup>) at a time so that cleaning can begin before the grout dries on the tile surface. Using a damp, rounded grout sponge, move across the tile surface in a circular motion to loosen grout and to shape the joints. Drag a clean, damp sponge diagonally across the tile joints, applying light pressure. Use one side of the sponge for each pass over the tile, rinsing the sponge after the second pass. Change the water bucket frequently to prevent the development of a haze on the tile surface. If grout residue is observed on the tile surface, a final wash can be performed about 1 hour after the initial wash. Use clean water and a clean, white, damp nylon scrub pad to loosen any remaining grout residue and a moistened sponge to remove the residue. Do not leave standing water on grout surface during clean-up.

### FINAL CLEAN UP:

After 24 hours, the grout installation can be cleaned with clean water. Cleaning with acid is not recommended.

### MOVEMENT JOINTS:

All expansion, control, construction, cold, saw-cut, isolation, contraction, and seismic joints in the structure

should continue through the tilework, including such joints at vertical surfaces, as specified per TCNA Method EJ171 or TTMAC Specification Guide 09 30 00, Detail 301MJ.

#### **PROTECTION:**

Do not disturb grout or walk over installed tiles for at least 24 hours after setting. Do not allow heavy traffic over installed tiles for at least 72 hours after setting. For residential showers and tub surrounds, restrict use for 72 hours after grouting. Do not allow dirt or debris to become embedded in the grout joints as they are curing.

#### **MAINTENANCE:**

Sealing is not required. Grout must be fully cured for 21 days before regular cleaning. To maintain a clean tile surface, use a neutral-pH cleaner for maintaining the floor, followed by a clean-water rinse. Do not use harsh chemical cleaners to maintain the tile surface. Before proceeding with cleaning, consult the cleaner's manufacturer for compatibility, use and application instructions. Remove or rinse fatty acid residue from the grout surface to avoid potential grout deterioration caused by prolonged exposure.

#### **CLEANING OF TOOLS**

Clean tools and tile with water before material dries

### **OTHER RESTRICTIONS**

See Legal Disclaimer.

### **LEGAL DISCLAIMER**

- **KEEP CONTAINER TIGHTLY CLOSED**
- **KEEP OUT OF REACH OF CHILDREN**
- **NOT FOR INTERNAL CONSUMPTION**
- **FOR INDUSTRIAL USE ONLY**
- **FOR PROFESSIONAL USE ONLY**

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at [usa.sika.com](https://usa.sika.com) or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the

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#### **Product Data Sheet**

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