PRODUCT DATA SHEET

SikaTile®-800 Sanded Grout

PREMIUM, POLYMER MODIFIED, DUSTLESS PORTLAND CEMENT SANDED GROUT

A118.6 ANSI APPROVED

PRODUCT DESCRIPTION

SikaTile®-800 Sanded Grout is a premium-grade, pre-blended, polymer-modified Portland cement tile grout that requires only the addition of water for mixing. For grout joints from 1/8" to 1/2" (3 mm to 13 mm), SikaTile®-800 Sanded Grout provides color consistent, hard and durable grout joints and features innovative Dustless Technology producing significantly less dust than ordinary cement grouts and is designed to promote cleaner working conditions and reduce mess.

USES

▪ For interior and exterior applications in both residential and commercial applications in dry or wet conditions.
▪ For floors, walls, countertops and submerged conditions.
▪ For joint widths from 1/8" to 1/2" (3 to 13 mm).
▪ For application in submerged conditions (swimming pools, spas, water features and fountains), after 21 days.

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

▪ Polymer modified for hard, durable, professional results
▪ Stain resistant and color consistent
▪ For 1/8" (3 mm) to 1/2" (13 mm) grout joints
▪ Easy mixing – just add water, no additives required
▪ For interior and exterior floors, walls and countertops
▪ Dustless formula – produces significantly less dust than ordinary grouts
▪ Promotes cleaner working conditions by minimizing dust
▪ Creamier and easier to spread
▪ Uses less water for consistent hydration and quicker drying
▪ Longer working time
▪ No-Slake - No wait. Just mix, trowel, and install
▪ 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 A108.10 and A118.6 of the American National Standards for the Installation of Ceramic Tile ASTM International (ASTM)
▪ ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2" or 50mm Cube Specimens)
▪ 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	Portland cement, selected aggregates, water retention additives, re-dispersible polymer
Packaging	25-lb (11.34-kg) bag; 10-lb (4.54-kg) box / 4 boxes per carton
Appearance / Color	Available in 32 colors. Refer to SikaTile® grout kit or color card for actual colors
Shelf Life	24 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)

TECHNICAL INFORMATION

Compressive Strength	> 4,000 psi (ANSI A118.6 Section 4.5)
Flexural Strength	> 400 psi (ANSI A118.6 Section 4.7)
Shrinkage	< 0.2% (ANSI A118.6 Section 4.3)
Tensile Adhesion Strength	> 300 psi (ANSI A118.6 Section 4.6)
Joint width	1/8" - 1/2" (3 mm - 13 mm)

BUILDING TRUST

APPLICATION INFORMATION

Mixing Ratio	2 quarts (1.93 L) of cool potable water per 25-lb bag; 0.8 quarts (0.77 L) of cool potable water per 10-lb box.

Coverage

Grout Coverage in sq ft (m²) per 25-lb (11.34-kg) Bag				
Tile Size	Grout Joint Width			
	1/8" (3 mm)	1/4" (6 mm)	3/8" (10 mm)	1/2" (13 mm)
1" x 1" x 1/4" (25 x 25 x 6 mm)	58 (5.4)	34 (3.2)	26 (2.4)	22 (2.0)
2" x 2" x 1/4" (50 x 50 x 6 mm)	106 (9.8)	58 (5.4)	42 (3.9)	34 (3.2)
4" x 4" x 3/8" (100 x 100 x 10 mm)	136 (12.6)	71 (6.6)	49 (4.6)	39 (3.6)
6" x 6" x 3/8" (150 x 150 x 10 mm)	201 (18.7)	103 (9.6)	71 (6.6)	55 (5.1)
8" x 8" x 3/8" (200 x 200 x 10 mm)	265 (24.6)	136 (12.6)	93 (8.6)	71 (6.6)
12" x 12" x 3/8" (300 x 300 x 10 mm)	395 (36.7)	201 (18.7)	136 (12.6)	103 (9.6)
18" x 18" x 3/8" (150 x 610 x 10 mm)	589 (54.7)	298 (27.7)	201 (18.7)	152 (14.1)
24" x 24" x 3/8" (610 x 610 x 10 mm)	784 (72.8)	395 (36.7)	265 (24.6)	201 (18.7)
6" x 24" x 3/8" (150 x 610 x 10 mm)	318 (29.5)	162 (15.1)	111 (10.3)	85 (7.9)
12" x 24" x 3/8" (300 x 610 x 10 mm)	525 (48.8)	266 (24.7)	179 (16.6)	136 (12.6)

Grout Coverage in sq ft (m²) per 10-lb (4.54-kg) Bag				
Tile Size	Grout Joint Width			
	1/8" (3 mm)	1/4" (6 mm)	3/8" (10 mm)	1/2" (13 mm)
1" x 1" x 1/4" (25 x 25 x 6 mm)	23 (2.1)	14 (1.3)	10 (1.0)	9 (0.8)
2" x 2" x 1/4" (50 x 50 x 6 mm)	41 (3.8)	23 (2.1)	17 (1.6)	14 (1.3)
4" x 4" x 3/8" (100 x 100 x 10 mm)	54 (5.0)	28 (2.6)	20 (1.9)	16 (1.5)
6" x 6" x 3/8" (150 x 150 x 10 mm)	80 (7.4)	41 (3.8)	28 (2.6)	22 (2.0)
8" x 8" x 3/8" (200 x 200 x 10 mm)	106 (9.8)	54 (5.0)	37 (3.4)	28 (2.6)
12" x 12" x 3/8" (300 x 300 x 10 mm)	158 (14.7)	80 (7.4)	54 (5.0)	41 (3.8)

BUILDING TRUST

18" x 18" x 3/8" (150 x 610 x 10 mm)	236 (21.9)	119 (11.1)	80 (7.4)	61 (5.7)
24" x 24" x 3/8" (610 x 610 x 10 mm)	314 (29.2)	158 (14.7)	106 (9.8)	80 (7.4)
6" x 24" x 3/8" (150 x 610 x 10 mm)	127 (11.8)	65 (6.0)	44 (4.1)	34 (3.2)
12" x 24" x 3/8" (300 x 610 x 10 mm)	210 (19.5)	106 (9.8)	72 (6.7)	54 (5.0)

* 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.

Pot Life	1 Hour
Test Results	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 24 to 48 hours after grouting. For steam showers, restrict use for 14 days after grouting. Like other Portland cement products, SikaTile®-800 Sanded Grout will reach full curing in 28 days

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.

LIMITATIONS

- Do not use SikaTile®-800 Sanded Grout below 50º F (10º C) or above 95º F (35º C) and do not allow mortar to freeze for the first 72 hours.
- Joint width should be between 1/8" and 1/2" (3 mm and 12 mm).
- Do not use SikaTile®-800 Sanded Grout on glazed ceramic tile, marble, or stone that can be scratched, stained, or damaged when grouted with pigmented sanded grouts. Follow tile manufacturer's recommendations and test a small area prior to use.
- 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.
- Color variation can occur due to tile type, tile porosity, job site conditions, application, and cleaning techniques. Variation can be minimized by following directions and using as little water as possible for cleanup.
- 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.

DIRECTIVE 2004/42/CE - LIMITATION OF EMISSIONS OF VOC

0 g/L

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

To minimize color variation when using multiple containers of the same grout, dry blend the powders prior to the addition of water. Add approximately 2

BUILDING TRUST

quarts (1.93 L) of cool potable water for every 25 lb (11.34 kg) or 0.8 quarts (0.77 L) for every 10-lb (4.54-kg) box,of SikaTile®-800 Sanded Grout in a clean mixing container. Add the grout to the water slowly; blend by hand or power mixer at low speed (less than 200 RPM). The ideal grout looks stiff but has a creamy consistency. Periodic mixing during use keeps the grout workable, but do not add additional water or additives. When the grout becomes dry and difficult to work, discard and make a new batch. For best results on multiple mixes, have the same person mix the grout to ensure the repetition of the mixing technique.

APPLICATION

Read all installation instructions before installation and reference ANSI A108.10-1999. Slightly moisten the tile surface with a damp grout sponge before application. Holding a rubber grout float at a 45° angle, force grout diagonally into joints ensuring joints are completely filled. Remove excess grout using the edge of the float held at a 90° angle. Cleanup can begin as soon as the grout becomes firm enough to only be slightly indented when pushed. Use as little water as possible for grout cleanup. Excess water will cause variation in color and may cause shrinkage, cracks or pinholes. Smooth and level joints and, in a circular motion, remove excess grout from tile with a moist small-pore grout sponge. It is best to change cleaning water and rinse sponge frequently. Using clean water and sponge will enhance color uniformity. Remove haze from tile surface with a soft, dry, microfiber cloth.

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.

MAINTENANCE:
Sealing is not required, but if used apply using a high-performance penetrating grout sealer following manufacturer's directions. 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 the material dries.

BUILDING TRUST

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 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 current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at https://usa.sika.com/en/group/SikaCorp/termsandconditions.html or by calling 1-800-933-7452.

SikaTile-800SandedGrout-en-US-(02-2025)-1-6.pdf

Product Data Sheet
SikaTile®-800 Sanded Grout
February 2025, Version 01.06
021720100000000131

6 / 6

BUILDING TRUST