

PRODUCT DATA SHEET

SikaTile®-800 Unsanded Grout (CA)

Premium, polymer modified, portland cement unsanded grout

PRODUCT DESCRIPTION

SikaTile®-800 Unsanded Grout (CA) 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 1.5 mm to 3 mm (1/16 in to 1/8 in).

SikaTile®-800 Unsanded Grout (CA) provides colour consistent and durable grout joints and features a creamier consistency than most conventional grouts making it easier to spread.

WHERE TO USE

Suitable tile types

- Ceramic tile, porcelain tile, quarry tile, mosaic tile, glass tile and cement body tile
- Natural stone tile, granite and slate
- Cement-based precast terrazzo

For the following applications:

- Residential, commercial interior floors and walls
- Where heated floors are present (water and electric systems)

PRODUCT INFORMATION

Composition / Manufacturing	Portland cement and redispersible polymers
Packaging	4.54 kg (10 lb) box
Appearance / Colour	Available in 10 colours; Refer to SikaTile® colour card for colour offering.
Shelf Life	12 months from date of production when stored in the original, sealed package
Storage Conditions	Store in undamaged, original, sealed package, in dry conditions at 23 °C (73 °F). For best results, condition the product between 18 °C (65 °F) and 30 °C

CHARACTERISTICS / ADVANTAGES

- For 1.5 mm to 3 mm (1/16 in to 1/8 in) grout joints
- Scratch-free – no sand or silica in SikaTile®-800 Unsanded Grout (CA)
- Polymer modified for durable and professional results
- Colour consistent
- Creamy and easy to spread
- Mold and mildew resistant
- Comes in all SikaTile colours
- No VOC
- Can contribute to LEED® objectives

APPROVALS / CERTIFICATES

SikaTile®-800 Unsanded Grout (CA) meets or exceeds ANSI A118.6 and/or ANSI A118.7

(86 °F) before using.

pH-Value Between 11 and 13

Volatile organic compound (VOC) content 0 g/L

CSC MasterFormat® 09 30 00 | TILING

TECHNICAL INFORMATION

Compressive Strength	Requirement at 28 days	Result	(ANSI A118.6 / A118.7)
	More than 21 MPa (3000 psi)	Pass	

Shrinkage	Requirement at 27 days	Result	(ANSI A118.6 / A118.7)
	Less than 3%	Pass	

Water Absorption	Requirements	Result	(ANSI A118.6)
	Less than 18%	Pass	

APPLICATION INFORMATION

Mixing Ratio 1.5 L (0.39 US gal.) per 4.54 kg (10 lb) box.
1 part water to 2 ½ parts powder (by volume)

Yield

SikaTile®-800 Unsanded Grout (CA) Coverage in m² (ft²) per 4.54 kg (10 lb) box*			
Tile Size	Grout Joint Width		
	1.5 mm (1/16 in)	2.4 mm (3/32 in)	3 mm (1/8 in)
25 mm x 25 mm x 6 mm (1 in x 1 in x 1/4 in)	3.6 (38)	2.7 (28)	1.8 (19)
50 mm x 50 mm x 6 mm (2 in x 2 in x 1/4 in)	7.1 (77)	5.4 (58)	3.6 (38)
106 mm x 106 mm x 6 mm (4 1/4 in x 4 1/4 in x 1/4 in)	15.3 (164)	11.4 (122)	7.7 (82)
75 mm x 150 mm x 6 mm (3 in x 6 in x 1/4 in)	15.7 (168)	11.8 (125)	7.8 (84)
150 mm x 150 mm x 6 mm (6 in x 6 in x 1/4 in)	21.6 (226)	16.2 (173)	10.7 (115)
200 mm x 200 mm x 10 mm (8 in x 8 in x 3/8 in)	17.3 (185)	13.0 (139)	8.6 (93)
250 in x 250 in x 10 mm (10 in x 10 in x 3/8 in)	21.6 (232)	16.2 (173)	10.7 (115)
300 mm x 300 mm x 10 mm (12 in x 12 in x 3/8 in)	25.9 (278)	19.3 (207)	12.9 (139)
300 mm x 610 mm x 10 mm (12 in x 24 in x 3/8 in)	34.7 (373)	26.0 (279)	17.3 (186)

* Les taux de couverture indiqués sont fournis à titre indicatif seulement. Les taux de couverture peuvent varier selon la technique de pose, du type et de la taille des carreaux utilisés.

Pot Life ~1 hour

Waiting Time Prior to initial cleanup of the grout residue on tiles : Approximately 15 to 30 minutes depending on the type of tile or stone and ambient temperature and

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®-800 Unsanded Grout (CA) below 10 °C (50 °F) or above 35 °C (95 °F) and do not allow grout to freeze for the first 7 days.
- Do not use SikaTile®-800 Unsanded Grout (CA) on glazed ceramic tile, marble or stone that can be stained or damaged when grouted with pigmented grouts. Follow tile manufacturer's recommendations and test on a sample or in a small discrete area prior to grouting.
- 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 and 3 mm (1/16 in and 1/8 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.
- That some slates and some limestones can show a picture frame effect with cement grouts once dried. Always do a test before proceeding with grouting the installation.
- To keep in mind that colour variation can occur due to tile type, tile porosity, job site conditions, application, and cleaning techniques
- To take in account that experience as shown that variation can be minimized by following directions and using as little water as possible for cleanup to avoid pigment washout (which could result in blotchy grout) or efflorescence (a condition where the grout colour may end up being a few shades lighter than expected).

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 10 °C (50 °F) and 35 °C (95 °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 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

Consistency in the mixing process and in the water/powder ratio from batch to batch is essential to achieve consistent results. Before adding water, dry mix the grout to minimize colour variations that may be caused by pigment separation during shipping, especially when multiple bags of different lot numbers are used. Use clean mixing containers and clean tools.

In the mixing container, measure 1.5 L (0.39 US gal.) per box of clean, cool potable water and gradually add the SikaTile®-800 Unsanded Grout (CA) powder while mixing at slow speed. For better colour uniformity, use measuring pails to better control and maintain the same constant proportion of water and grout powder that are mixed. Have the same person mix the grout to ensure repetition of the mixing technique. Consistency in the process and in the water/powder ratio in batch to batch mixing is paramount to achieving professional results.

Mix using a slow-rotation mixer (350 rpm) until a homogeneous, smooth and easy-to-spread mixture is obtained. Do not mix too long as this will trap air, which can create pinholes and will reduce the life of the mix, which can cause the grout to harden prematurely. Let the mixture sit still (slake) for about 5 minutes, then re-mix without adding any water or powder. Continue to

stir the mixture periodically as it is spread to keep grout workable, but never add water. Using an excessive amount of water for mixing or cleaning can weaken the grout joint, cause shrinkage, and produce colour variations.

Note: For best results on multiple mixes, have the same person mix the grout to ensure the repetition of the mixing technique.

APPLICATION

Note: Installation procedure should conform to ANSI A108.10 Standard recommendations.

Lightly dampen unglazed or mat tile 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. Remove excess grout through successive diagonal passes using the edge of the rubber float held at a sharp 90° angle. The grout should be finished evenly to the base of the cushion or bevelled edge. Allow grout to become firm enough to only be slightly indented when pushed or approximately 15 to 30 minutes depending on the type of tile or stone and ambient temperature and humidity conditions.

Use as little water as possible during cleanup of the grout residue on the tiles. An excess amount of water used for mixing or cleaning causes weakening, shrinkage, efflorescence, pin holes and colour variation of the grouted joints. Smooth and level joints and remove excess grout from tile or stone with a slightly damp, but not wet, using a soft closed pore cellulose sponge, wiping lightly and delicately in diagonal strokes.

Do not use acid wash

Change water and rinse sponge frequently. Keeping the water and sponge clean will achieve better joint colour uniformity.

Wait at least 18 hours before removing the final haze from the tile. Removal of the dry grout haze from tile surface using a microfiber.

WAITING TIME BEFORE ALLOWING TRAFFIC

Protect the surface from impact and vibration for at least 24 hours. For proper curing, the temperature of the substrate or tiles must be at least 10°C (50°F) during the curing period of SikaTile®-800 Unsanded Grout (CA).

Protect grouted area for at least 18 hours before allowing pedestrian traffic and at least 72 hours before allowing general traffic, depending on temperature and humidity. If necessary, use load-distributing protection when moving heavy equipment over the tiled area for at

least 7 days.

Note: Extended protection and downtime requirements before grouting may be required depending on temperature and humidity conditions and on the porosity and size of the tile or stone being installed.

EXPANSION 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.

PROTECTING NEW TILE WORK

The constructor is responsible to ensure that the structural and installation criteria as provided by the tile or stone installer can be respected. This includes allocation and provision of proper installation and protection environments needed after the installation, as well as respecting cure times before exposing the installation to work from other trades. (TTMAC's Specification Guide 09 30 00 Tile Installation Manual).

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 discolor 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

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