



QuartzLock²TM

URETHANE GROUT

*The Future of
Grout is Clear*

PREMIUM
PROFESSIONAL
HIGH PERFORMANCE

PRE-MIXED
READY TO USE
FAST, EASY INSTALLATION



LEEDTM/GREEN FRIENDLY

**BPA
FREE**

Bostik

The Adhesive Company

**SUPERIOR
STAIN RESISTANCE**

**UNMATCHED COLOR
CONSISTENCY**

**MOLD/MILDEW
PROTECTION**

**CRACK-RESISTANT
FLEXIBILITY**



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PRODUCT DESCRIPTION

QuartzLock 2TM Grout is a PRE-MIXED, READY-TO-USE URETHANE and colored quartz-based grout for ceramic, porcelain, glass and natural stone tiles on floors and walls. QuartzLock 2 Grout requires no sealing and is resistant to typical food stains and most household chemical products.

FEATURES AND BENEFITS

- Pre-mixed, ready to use
- Excellent chemical, stain and mildew resistance
- Semi-flexible, low shrinkage and high crack resistance
- No color fading, streaking or shading - Even when wet!
- Fast and easy clean-up when compared to epoxy and cement grouts
- Excess product can be saved and used later
- UV stable colors (non-yellowing)
- Self-sealing - no sealing required
- Non-sag formula great for vertical surfaces
- Free of BPA (bisphenol-A) found in epoxy grouts
- Dust-free mixing
- Fast, easy installation - installs up to 50% faster than other grouts
- Superior to cement grout
- Contributes to USGBC LEED Credits: MR 4.1 & 4.2 (Recycled Content), MR 5.1 & 5.2 (Regional Materials), and EQ, 4.1 (Low-Emitting Materials).

PRODUCT USES

QuartzLock 2 Grout can be used in grout joint widths from 1/16" to 1/2" on vertical or horizontal surfaces in both interior and exterior installations of ceramic, porcelain, glass and natural stone tiles.

INSTALLATION

Read and understand Technical Data Sheet and Material Safety Data Sheet completely before beginning installation. Follow applicable ANSI, TCNA and NTCA installation standards. Always do a test area to ensure product satisfaction, including adhesion to substrate, and/or to become familiar with proper application techniques prior to use.

QuartzLock 2 Grout is a READY-TO-USE Urethane Grout and different installation techniques are required for successful product use. Please read the following instructions carefully.

PREPARATION DE L'INSTALLATION DU COULIS

- DO NOT add any water, liquid, or other material to QuartzLock 2 Grout! This will cause grout failure and void all warranties.
- A milky, white liquid may be present on the surface of the grout when opened. This is from normal settling during shipment. The use of a margin trowel is recommended to bring grout into suspension. If a drill mixer is used, mix at low speed for no more than 30 seconds. Over-mixing with a drill mixer may introduce excessive air into the product and cause grout sagging on vertical applications and/or other performance issues. Continue to mix with a margin trowel throughout the grouting process.
- Ensure tile is firmly set and mortar is completely dry (always follow manufacturer's instructions) before grouting. Remove all spacers, water, debris and adhesive from tile joints.

- For best results, surface of tile should be at room temperature (70°F to 75°F). Urethane materials are affected by temperature and humidity variations. Cool temperatures and/or high humidity will slow cure time.
- To facilitate cleaning, pre-seal all porous tile and natural stone before grouting.
- For glass tile, polished marble, stone and other soft surfaces, test grout on a small area to ensure compatibility.
- Make sure grout joints are clean, dry, and free from solvents and residue before grouting.

APPLICATION

- Spread grout using a green, sharp-edged, firm rubber grout float. Work the grout diagonally across the joints, packing them full.
- Remove excess grout from the tile surface, pulling the edge of the float diagonally across the joint to prevent grout removal.

GROUT CLEANING

For best results, remove grout haze AS YOU WORK, particularly in warm or dry climates. If working alone, only grout as far as you can reach (arm's length) before initial cleaning. If working as a team, one person should grout, with the other(s) cleaning immediately behind the first person.

- Rinse sponge in water and wring out completely. Since urethane grout requires very little water during cleanup, make sure that the sponge is wrung nearly dry. Wipe lightly, leaving sponge flat on the tile surface to prevent grout removal from joints. Excessive water during cleanup can dilute the urethane binder and cause curing issues that may lead to grout failure.
- Wipe up spilled water immediately. Do not allow water to sit on grout surface or in ungrouted joints.
- Change water mixture after each 100 square feet, for each new bucket of grout, or when dirty.
- Check work as you clean. Repair any low spots with additional grout. Unlike other grouts, DO NOT over wash.
- Allow cleaned areas to dry, and then inspect tile / stone surface. If a second cleaning is necessary, WAIT 3 hours in low humidity environments and 6 hours in high humidity environments, making sure grout is cured enough to withstand light finger pressure without losing form, then spray BLAZETM Urethane Grout Cleaner on a white scrubby DoodlebugTM cleaning pad (do not flood the surface with cleaner). Rub the cleaning pad lightly over any remaining urethane haze, allow it to dwell on the tile / stone surface for at least 60 seconds (excessive haze may require direct spray on surface and/or more dwell time) to ensure sufficient penetration. Use a damp sponge and clean water to remove the film and cleaner. Finish by drying the tile surface with a clean towel or cloth. Contact StarQuartz if a persistent haze exists.

INSTALLATION REQUIREMENTS

- For use in joints 1/16" or greater. Ensure that joints are well packed. Smaller joints may require extra effort.
- To speed up installation, or for quarry and other porous tile and/or outdoor applications, pre-wet tile surface using clean water with a damp sponge prior to spreading grout, being careful not to leave standing water in the grout joints.
- Maintain temperature above 40°F (5°C) during installation and curing.

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CURING

- Protect finished surface from light traffic for at least 24 hours at 70°F (21°C). Heavy foot traffic requires 72 hours at 70°F and 50% relative humidity. See Limitations/Cautions below for further curing requirements.
- If needed, cover ONLY with kraft or breathable paper after initial 24-hour curing period.
- Full cure depends on grout depth. Normal cure of a 1/4" grout joint with a 3/8" thick tile is 28 days.

SHOWERS / STEAM SHOWERS / WET APPLICATIONS

- Use an approved waterproof sealer for mud bed applications and follow manufacturer's recommendations for sealer installation. For liquid applied waterproofing materials, apply to within 1" of any drains to prevent weep hole blockage. The use of pre-sloped, waterproof trays (instead of mud beds) is highly recommended.
- Shower, steam shower, pool, fountain and wet area installations must be protected from moisture and allowed to cure for 7 days before use.

LIMITATIONS/CAUTIONS

- Do not apply or clean up this product like traditional cement-based or epoxy grouts; QuartzLock 2 Grout is a new technology that requires a simpler and easier application and clean-up process.
- Follow all manufacturers' instructions for all other setting materials, waterproofing, anti-fracture membranes, etc. to be used on the job.
- Minimum recommended grout joint width is 1/16".
- Maximum recommended grout joint width is 1/2".
- Ensure that grout joints are fully packed, especially in tight and irregular joints. Take special care in all wet and outdoor applications.
- Do not use as a setting mortar.
- Not for use in heavy industrial applications (i.e. chemical plants), in areas subjected to harsh or persistent chemicals, or areas exposed to very aggressive cleaning routines such as steam or pressure washing.
- QuartzLock 2 Grout is not a replacement for a waterproofing membrane. When a waterproofing system solution is required, please contact StarQuartz Technical Service.
- Protect grout from staining agents and chemicals during the cure process.
- Grouting when tile surface is above 90°F (32°C) is not recommended. Cool tile surface with damp sponge if tile surface is above 90°F (32°C). Be careful not to add excessive water during the tile cooling process.
- Do not use vinegar or acid solutions for clean-up; this could damage uncured grout.
- Always use protective clothing (gloves and eye protection) when working with grout.
- Prior to regrouting applications, remove 1/8" of old grout and any surface contaminants. Be sure to rinse any residual solvent/cleaner off grout joints, then allow joints to completely dry before re-grouting.
- Do not use for commercial or wet environment re-grouting installations, including showers, steam showers, and outdoor applications.
- Seal porous tile surfaces with a water-based sealer, including the sides of the stone, prior to grouting with QuartzLock 2 Grout.
- Outdoor installations must be protected from moisture (rain) for 7 days. If rain is forecast within 7 days, protect by tenting the grouted area (at least 1 foot above surface).

- Not for use in hot tubs.
- Wait 7 days before rigorously cleaning tile and grout surface.
- Wait 7 days prior to exposing grout to full submersion.
- Use care on soft, highly polished surfaces to avoid scratching. Test a small area. Use of a sealer is always recommended on polished marble, stone, slate and other natural, porous tiles.
- Use of enzymatic floor cleaners will void all warranties.
- Do not ingest. Keep out of the reach of children.
- Do not use StarCure® Urethane Grout Cure Accelerator.
- Do not use solvent-based adhesives or sealers with QuartzLock 2 Grout.
- Protect grout from freezing. Do not grout outdoors or in unheated areas when temperatures are expected to be below 40°F (5°C) within 3 days. If product freezes, return to room temperature and use as directed.
- For Chemical Emergency, call CHEMTREC 24 hours, (800) 424-9300 in North America, (703) 527-3887 International (collect).
- For more information, consult the MSDS for this product.

AVAILABILITY AND COST

QuartzLock 2 Grout is available at better distributors throughout the U.S. and Canada. Contact your local distributor or StarQuartz Industries, Inc. at (866) 220-4500 or info@StarQuartz.com.

MAINTENANCE

QuartzLock 2 Grout requires occasional cleaning with water and common grout cleaners. For best stain resistance, always clean up spills immediately.

SHELF LIFE

QuartzLock 2 Grout is guaranteed to remain suitable for use up to a period of two (2) years if stored unopened at temperatures between 32°F (0°C) and 100°F (38°C). After opening, QuartzLock 2 can be saved for reuse if properly resealed in original container (always wipe the pail lip clean prior to resealing to ensure proper seal is achieved with the Vapor-Lock lid). If product freezes, return to room temperature, mix well, and use as directed.

PACKAGING

Available in 9 lb. and 18 lb. units

GARANTIE

Visit www.StarQuartz.com to see our complete warranty.

APPLICABLE STANDARD

QuartzLock 2 Grout is a revolutionary new technology which employs state-of-the-art urethane chemistry. As yet, there is no current ANSI or ASTM standard for this technology (ANSI 118.3 pertains only to epoxy grout products); however, for comparative purposes, physical and chemical properties are listed in the table below. Epoxy grouts are hard, brittle and lack flexibility. QuartzLock 2 Grout is designed to have the perfect balance of physical properties in order to provide flexibility, strength and adhesion to a variety of materials, making it the best choice for a wide variety of applications. Specifications are subject to change without notice.



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LEEDTM CERTIFICATION

QuartzLock 2 Grout is one of the most environmentally friendly grouts available in the industry today. It can help architects and designers attain LEED project certification in the following categories:

- Materials & Resources: MR Credits 2.1 and 2.2: Construction Waste Management
- Materials and Resources: MR Credits 4.1 and 4.2: Recycled Content
- Materials & Resources: MR Credits 5.1 and 5.2: Regional Materials
- Indoor Environmental Quality: EQ Credit 4.1: Low-Emitting Materials

TYPICAL PROPERTIES

Description	Typical Results
Water Cleanability	Pass
Initial Set	>2 hrs.
Service Strength	Pass
Vertical joint sag	Pass
ASTM C267 Chemical	Pass
Compressive strength	>3,500 psi
Linear Shrinkage	<0.06 %
Water absorption	<1%
Open Time	180 minutes
Colors	40 available
Density	13.8 lbs/gal

Results shown are typical and reflect test procedures used by the Tile Council of North America (TCNA) for ANSI 118.3 and 118.3 modified. Actual field performance will depend on installation methods, site conditions and other environmental factors.

WORKING PROPERTIES

Description	Time Required*
Working Time	3 hrs
Tack-Free Time	8 hrs
Ready for light foot traffic	24 hrs
Ready for heavy foot traffic 72 hrs	72 hrs
Stain resistant (food, cleaners, etc.)	3 days
Showers, Outdoors, Pools, Fountains and Wet Area Installations	7 days

*Results are typical, but reflect testing procedures employed. Actual results may vary due to particular environmental conditions and other factors (e.g. type of setting material used).

COVERAGE CHART (SQ. FT) - 18-LB. UNIT

Tile Size	Joint Width					
	1/16"	1/8"	3/16"	1/4"	3/8"	1/2"
1" x 1" x 1/4"	67	36	-	-	-	-
2" x 2" x 1/4"	128	67	-	-	-	-
4 1/4" x 4 1/4" x 5/16"	213	109	74	57	39	31
4" x 8" x 1/2"	166	85	57	44	30	23
6" x 6" x 1/2"	187	95	64	49	34	26
8" x 8" x 3/8"	330	167	113	85	58	45
12" x 12" x 3/8"	494	249	167	126	85	65
13" x 13" x 3/8"	534	269	181	137	92	70
16" x 16" x 3/8"	657	330	222	167	113	85
18" x 18" x 3/8"	739	371	249	188	126	96
12" x 24" x 3/8"	657	331	222	167	113	86
24" x 24" x 3/8"	983	494	330	249	167	126

COVERAGE CHART (SQ. FT) - 9-LB. UNIT

Tile Size	Joint Width					
	1/16"	1/8"	3/16"	1/4"	3/8"	1/2"
1" x 1" x 1/4"	34	18	-	-	-	-
2" x 2" x 1/4"	64	34	-	-	-	-
4 1/4" x 4 1/4" x 5/16"	107	55	37	29	20	16
4" x 8" x 1/2"	83	43	29	22	15	12
6" x 6" x 1/2"	94	47	32	25	17	13
8" x 8" x 3/8"	165	84	57	43	29	23
12" x 12" x 3/8"	247	125	84	63	43	33
13" x 13" x 3/8"	267	135	91	68	46	35
16" x 16" x 3/8"	329	165	111	84	57	43
18" x 18" x 3/8"	370	186	125	94	63	48
12" x 24" x 3/8"	329	166	111	84	57	43
24" x 24" x 3/8"	492	247	165	125	84	63

Actual coverage may vary depending on job site application conditions, actual tile size and installed grout joint size. Adding 10% for waste, spillage and clean-up is recommended. To determine coverage for tile formats not shown in the above chart, please use the Grout Calculator found on our website at www.starquartz.com/quartzlock2.html.



The Adhesive Company

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