



Globally Proven
Construction Solutions

STELLAR™ Grout

STELLAR grout is a ready to use, flexible, UV resistant, hybrid technology, high performance premium grout which offers excellent color uniformity, durability, stain protection, and beautiful grout joints in an easy-to-use.



FEATURES/BENEFITS

- Single Component
- UV Stable and flexible
- Non-sag formula for floors and walls
- Colour - fast
- Very Easy to install and clean
- Chemical/stain and temperature resistant
- Non-cracking or powdering
- Suitable for joints of 1.5 mm to 12 mm
- No – odor during application
- Available in attractive colors
- Highly Durable

MANUFACTURER

LATICRETE Middle East LLC.
P.O. Box. 86028, Ras Al Khaimah
United Arab Emirates
Toll Free (with in UAE) 800 5632
Telephone: + 971 7 244 6396
Fax: + 971 7 244 5915
www.laticrete.me

USES

All External and Internal Floor & Wall Grout Joints:

- Residential & Institutional kitchens
- Cafeterias & Food joints
- Washrooms & Clean rooms
- Swimming pools, Spa & Sauna
- Hospitals, Operation theatres, Laboratories
- Schools & Education Institutes
- Podium slabs, drive ways & Atriums
- Terraces & Balconies
- External & Internal Facades

STANDARDS

Applicable Standard:

- ANSI A118.3
- EN 12808-3

Packaging: Full unit & Mini unit.

Pallet quantity: Full unit: (4.5 kg) - 60 units per pallet
Mini unit: (1 kg) - 96 units per pallet (24 boxes).

Colors: Available in 10 LATICRETE® Colors
Please refer our stellar color chart by visit our website:
www.laticrete.me

Suitable Substrates

- Engineered marble
- Vitrified tile / Porcelain tiles
- Ceramic tile
- Granite
- Marble
- Lime stone & Sand Stone
- Cobble stone
- Glass mosaic tiles
- Glass tiles
- Clay tiles / wire cut bricks
- Terracotta tiles

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year if stored at temperatures greater than 59°F (15°C) and less than 95°F (35°C).

Limitations

- Not for use in heavy commercial and industrial application (i.e. chemical plant, dairies breweries, etc.) For industrial applications exposed to high concentrations of food and mineral acids and to high heat, use LATAPOXY® 2000 Industrial Epoxy Grout.
- Maximum stain resistance is achieved 14 days after installation. Protect from exposure to acids and strong cleaners during this period.
- Don't use grout when tile surface is above 40°C

Cautions

Consult SDS for more safety information.
Keep out of reach of children.

Warnings;

- DO NOT add water or any other liquid to the grout material. This will have an adverse effect on the product and void all warranties.
- Protect finished work from traffic until fully cured.
- STELLAR™ Grout might irritate eyes and skin. Avoid contact with eyes and/or prolonged contact with skin.

- Wear protective gear (gloves, long sleeve shirt, and safety glasses) when applying. Flush thoroughly with water in case of initial contact.
- DO NOT ingest internally. Silica sand may cause cancer or serious lung problems. See MSDS for more information.
- Keep out of reach of children.
- Protect from freezing.
- Protect grout from dirt, construction debris, and contamination for 10 days @ 25°C.
- Some soft polished marble or delicate glazed or glass tile might be scratched by STELLAR Grout during installation. Apply a small test area to determine results before grouting entire installation.
- Highly porous stones may require pre-sealing with Laticrete 190 Sealer before application of grout. Wait for 48 hours before grouting after pre-sealing with sealer.
- In steam rooms or submerged applications, allow STELLAR grout to cure for 14 days at 25°C before use of area and filing with water.
- Resinous grout materials may affect the color of white or porous stones (such as White Carrara, Thasos White, and Royal Danby etc.) Apply a small test area to determine results before grouting entire installation.
- Test stones for compatibility with water and cleaning agent specially given for removing grout haze.
- Conduct a test area to determine compatibility with metal or steel tile.
- Let the surface dry for 24 hrs before allowing foot traffic.

TECHNICAL DATA

Physical Properties	
Specific gravity	1.45 - 1.72
Touch dry time	10 minutes
Pot Life	4 hours
Shelf life	1 year
Sag in vertical joints ANSI A 118.3	No change in shape/ no sagging
Joint width	1.5 mm to 12 mm
Light Foot Traffic	After 24 hours
Full Traffic	7 days
Full cure	14 days
Initial cleaning	After 30 Minutes
Final cleaning	After 90 Minutes

Mechanical Properties	
Compressive Strength EN 12808-3 (Modified)	>12 MPa
Compressive Strength after freeze thaw EN 12808-3 (Modified)	>12 MPa
Transverse deformation EN 12002 (Modified)	> 5 mm
Water Absorption EN 12808-5 (Modified)	3% - 5%
Abrasion resistance (LATICRETE Test Method)	0.00093 g/cycle
Chemical resistance ANSI 118.3 (ASTM C267)	Pass
VOC	22.1 g/l (Minus water)

Stain Resistance	
Wine	1
Turmeric	3
Ink	2
Coffee	1
Ketchup	0
Coke	0
Grease	0
Oil	1

Chemical Resistance	
Conc. HCl	0
Conc. H ₂ SO ₄	1
2-Butoxy ethanol	0
Toluene	1
Sodium hypochlorite	0
Oxalic acid	0
Vinegar	1
Ethyl acetate	0

- 0- No stain visible/ no effect
5- Dense stain visible/ high effect

Note: Specifications are subject to change without notification. Results shown are typical but reflects test procedures used. Actual field performance will depend on installation methods and site conditions.

APPROXIMATE COVERAGE*

TILE SIZE	COVERAGE CHART IN SQ. MTRS.							
	JOINT WIDTH IN MILLIMETER							
	1.5	2	3	4	6	8	10	12
100X100X3mm	29.07	22.05	14.94	11.88	7.92	6.21	5.13	4.41
150X150X4mm	32.4	24.48	16.56	12.6	8.55	6.57	5.4	4.59
200X150X5mm	29.61	22.32	15.03	11.43	7.74	5.94	4.86	4.14
150X300X6mm	28.71	22.41	14.58	10.98	7.47	5.76	4.68	3.96
300X300X6mm	42.84	32.22	21.6	16.29	10.98	8.37	6.75	5.76
450X300X7mm	43.92	33.03	22.14	16.74	11.25	8.55	6.93	5.85
600X450X8mm	54.81	41.22	27.54	20.79	13.95	10.53	8.46	7.11
600X600X8mm	63.9	47.97	32.13	24.12	16.2	12.24	9.81	8.28
600X900X11mm	55.71	41.85	27.99	21.06	14.13	10.62	8.55	7.2
900X900X12mm	63.81	47.88	31.95	24.03	16.11	12.15	9.72	8.19

* Calculated coverage indicated is approximate for a full unit, Actual coverage will vary depending upon each color, site conditions, tile

size, and installed grout joint size. For detailed information, please contact LATICRETE MEA Technical service.

INSTALLATION

Surface Preparation

Before starting to grout, remove debris in grout joints and lightly sponge (wet) the tile surface to remove dust and dirt. Do not clean tiles with acid cleaners. Substrate temperature must be between 60 F (16 °C) and 90 F (32 °C). In case the tiles are cleaned with acid, make sure to wash the area with potable water which removes the acid remains from the tile joints.

Mixing

Open the pail of STELLAR™ Grout and agitate with a spatula, margin trowel or drill machine fitted with paddle arrangement. Mix for 3 to 5 minutes till the time the grout material becomes creamy and workable. DO NOT MIX WATER, SOLVENTS, LATEX or any other liquids for workability.

Application

Use standard grouting techniques to work with Stellar Grout into tile joints. Stellar Grout can also be applied with a caulking gun. Be sure all grout joints are packed full. Remove as much excess material as possible with grout float before initial cleaning.

Note:

- Do not leave excess grout on the face of tiles.
- In case there is some unused grout material in the grout pail, make sure the lid is closed tightly so as to re-use the grout when application work starts in future course of time (within shelf life of product)
- For More information contact LATICRETE technical Service.

Removal & Cleaning:

Remove excess grout from the face of the tiles with the edge of the grout float. Hold the float at a 90° angle and pull it diagonally across the joints and tile to avoid pulling out the grout material from the joints.

Initial Cleaning:

Use clean water / Special Stellar™ grout haze removing cleaner diluted with water (1: 6)

- Start the initial cleaning after 30-40 minutes
- Use clean water or use stellar special cleaner (prepare the cleaner by diluting it with water adding 6 times of water by volume.)
- Rinse your sponge before each cleaning by dipping the sponge in water.

- Squeeze as much water out of sponge as possible before placing on the tile after rinsing in the bucket. Change the bucket of water if needed.
- Place the sponge on the tile surface and use gently by giving very little pressure to ensure a full flush grout joint.
- Do not over wash grout joints
- Do not bend sponge as it pulls grouts from the joints

Final Cleaning:

Use Special Stellar™ grout haze removing cleaner by diluted with water (1: 6).

- Final cleaning may be started any time after 4 hours.
- After a minimum period of 90 minutes at 25°C of application of the grout, use Special Stellar grout haze removing cleaner, to clean the grouted area.
- Prepare the cleaner by diluting it with water adding 6 times of water by volume.
- Apply diluted haze remover (Use the cleaner after 1:6 dilution- Cleaner: water) on the surface, wait for 2 to 5 minutes allowing to soak the area completely.
- Use the scrubber given with the grout kit and run the scrubber in circular motion to remove the grout material, with low pressure to high pressure depending on the haze thickness and concentration, from tiles.
- Occasionally clean the scrubber in potable water, squeeze all the water, and keep working till the grout haze is removed.
- Finally, rub the tile surface lightly with sponge to remove any remaining grout haze.
- Occasionally clean the sponge in potable water, squeeze all the water and keep working till the grout haze is completely removed.
- *Let the surface dry for 24 hours before allowing light foot traffic.*

Curing Time and Maintenance

- Curing depends on the temperature and humidity.
- If the humidity is low; the curing will be faster.
- On high humidity conditions, the curing may take little longer time than normal.
- The curing will be affected when the grouting area is exposed to water.
- Protect the grout area from water damping and rain.
- Protect external floor/ wall applications by using a tarpaulin sheet and cover the grout area if the weather is not favorable (Raining time)
- Lay it over the grout area when leaving in case it rains.
- Protect the grout area from chemicals and stain while curing.

AVAILABILITY AND COST

Availability

LATICRETE® materials are available worldwide. For distributor information, please contact LATICRETE Telephone: For on-line distributor information, visit www.laticrete.me

Cost

Contact a LATICRETE closer distributor to obtain complete information and cost.

WARRANTY

The supplier warrants that the product will not deteriorate under normal conditions and use. The warranty validity of one (1) year.

Contact Technical Support for further information.

MAINTENANCE

LATICRETE products are of high quality designed to achieve lasting installations and avoid maintenance, however performance and durability may depend on properly maintaining products, depending of the cleaning products used.

LATICRETE and LATAPOXY® grouts require routine cleaning with neutral pH soap and water or LATICRETE cleaners. All other LATICRETE and LATAPOXY materials require no maintenance but proper installation as per instruction. Performance and durability may depend on properly maintaining of Installed area.

TECHNICAL SERVICES

Technical assistance

For information contact: enquiry@laticrete.me

Technical and safety literature

To obtain technical and safety literature, please visit our website at www.laticrete.me

Warning

The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE unable to directly control the installation conditions and modalities of application of products, do not assume any liability arising from their implementation. Those who want to use the LATICRETE® products must conduct adequate tests to determine the site specifications. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation method and site conditions.