



STELLAR

Stellar Grout is a Ready-To-Use, 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, non-sag formula, with no hassle of mixing two packs or any other liquids like water or latex liquid.



ADVANTAGES

- Single Component
- UV Stable and flexible
- Non-sag formula for floors and walls
- Color - fast.
- Very Easy to install and clean.
- Chemical/stain and temperature resistant
- Non-cracking or powdering
- Suitable for joints of 1.5 mm to 10 mm
- No – odor during application.
- Available in attractive colors
- Highly Durable

MANUFACTURER

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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, driveways & Atriums.
- Terraces & Balconies
- External & Internal Facades

STANDARDS / CERTIFICATIONS

ANSI A118.3

EN 13888

Packaging - 1 kg and 5 kg

Suitable Substrates

- Vitrified tile / Porcelain tiles
- Ceramic tile
- Granite
- Glass mosaic tiles
- Marble
- Metal tiles
- Limestone & Sandstone
- Engineered marble.
- Cobble stone.
- 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).

Approximate Coverage

TILE SIZE	STELLAR COVERAGE CHART IN SQ. MTRS.						
	JOINT WIDTH IN MILLIMETER						
	1.5	2	3	4	6	8	10
100X100X3 mm	32.3	24.5	16.6	13.2	8.8	6.9	5.7
150X150X4 mm	36	27.2	18.4	14	9.5	7.3	6
200X150X5 mm	32.9	24.8	16.7	12.7	8.6	6.6	5.4
150X300X6 mm	31.9	24.9	16.2	12.2	8.3	6.4	5.2
300X300X6 mm	47.6	35.8	24	18.1	12.2	9.3	7.5
450X300X7 mm	48.8	36.7	24.6	18.6	12.5	9.5	7.7
600X450X8 mm	60.9	45.8	30.6	23.1	15.5	11.7	9.4
600X600X8 mm	71	53.3	35.7	26.8	18	13.6	10.9
600X900X11 mm	61.9	46.5	31.1	23.4	15.7	11.8	9.5
900X900X12 mm	70.9	53.2	35.5	26.7	17.9	13.5	10.8

Limitations

- Not for industrial use. For industrial applications exposed to high concentrations of food and mineral acids and to high heat, use SPECTRALOCK® 2000 Industrial Epoxy Grout.

- Do not use in areas exposed to continuous high surface temperature (>32° C) & do not use if temperature forecast to drop down below 10° C.
- Maximum stain resistance is achieved 14 days after installation. Protect from exposure to acids and strong cleaners during this period.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick, and stone are not replacements for waterproof membranes. When a waterproof membrane is required, use LATICRETE® Waterproof Membrane.

Cautions

Consult SDS for more safety information.

- DO NOT add water or any other liquid to the grout material. This will have an adverse effect on the product and avoid all warranties.
- Protect finished work from traffic until fully cured.
- LATICRETE 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 3 days @ 70°F (21°C).
- Some soft polished marble or delicate glazed or glass tile might be scratched by LATICRETE 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 LATICRETE Stellar grout to cure for 14 days at 70°F (21°C) before use of area and filling 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 cleaning.
- 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**Performance Properties**

Specific Gravity	1.60-1.70
Touch Dry Time	5-10 minutes
Pot Life	30 minutes
Joint Width	1.5mm to 10 mm
Initial Cleaning	5 minutes
Final Cleaning	10-24 hours
Light foot traffic	After 24 hours
Full traffic	3 days
Full Cure	14 days
Installation Temperature Range	10°-32°C

Time to Traffic**

CURE TIME			
FLOOR TEMPERATURE	TIME TO LIGHT TRAFFIC ^A	TIME TO HEAVY TRAFFIC ^{AA}	FULL CURE ^{AAA}
50°F (10°C)	72 hours	4-5 days	28 days
60°F (16°C)	48 hours	4-5 days	14 days
70°F (21°C)	36-48 hours	3 days	14 days
80°F (27°C)	24 hours	3 days	14 days
90°F (32.2°C)	18-24 hours	2 days	7-14 days

^ALight Foot Traffic

^{AA}Place Equipment

^{AAA}Exposure to Chemical and Heat

Note: Curing depends on the temperature and humidity. If the humidity is low/normal; the curing will be earlier. On high humidity conditions, the curing may take little, longer time than normal.

Mechanical Properties**EN 13888:2009**

Property	Test Method	Typical Results
Abrasion resistance	EN 12808-2	< 350 mm ³
Flexural Strength after dry storage	EN 12808-3	2.7-3.4 Mpa
Flexural Strength after freeze-thaw cycles	EN 12808-3	2.5-3.0 Mpa
Compressive Strength	EN 12808-3	7.5-12 MPa
Compressive Strength after freeze thaw cycles	EN 12808-3	7-10 MPa
Shrinkage	EN 12808-4	≤ 3 mm/m
Water absorption after 30 min	EN 12808-5	<1g
Water absorption after 240 min	EN 12808-5	<1g

ANSI 118.3:2013

Property	Test Method	Typical Results
Water cleanability @10 minutes	ANSI A118.3 Clause 5.1	Pass
Initial Setting Time	ANSI A118.3: Clause 5.2	240 minutes
Service strength Setting Time	ANSI A118.3: Clause 5.2	< 7 days
Sag in Vertical Joints	ANSI A118.3: Clause 5.4	No change in shape of the joint
Compressive Strength	ANSI A118.3: Clause 5.6	7.5-12 Mpa
Tensile strength of the cured material	ANSI A118.3: Clause 5.7	3.5-4.5 Mpa (500-650 psi)
Chemical Resistance	ANSI A118.3: Clause 5.7 (ASTM C 267)	Refer chemical resistance chart

Stain Resistance:

Stain Name	Typical results
Wine	0
Turmeric	2
Ink	2
Coffee	1
Ketchup	0
Coke	0
Grease	0
Oil	0

Rating Scale:

0- No stain visible/ no effect

5- Dense stain visible/ high effect

Chemical Resistance Chart: (ASTM C 267)

Chemical Name	Results Rating
HCl (10%)	***
Con. HCl	**
H2SO4 (10%)	***
Con. H2SO4	*
2- Butoxy ethanol	***
Toluene	*
Sodium hypochlorite	***
Vinegar	***
KOH (50 %)	***
Citric Acid 5%	***

Scale:

* - Poor

** - Satisfactory/Good

***-Excellent resistant

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.

INSTALLATION

Surface Preparation:

Before starting to grout remove spacers and debris in grout joints and remove dust and dirt using a damp sponge. Allow it to dry. Do not leave water standing in joints.

Do not clean tiles with acid cleaners. The substrate temperature must be between 50°F (10°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:

NO MIXING REQUIRED Use of drill mixer is strictly not recommended as it will lead excessive air bubbles into the product and cause pin holes in joints & grout sagging on vertical applications. DO NOT MIX WATER, SOLVENTS, LATEX, or any other liquids for workability.

Application

For optimum results, do not grout a large area (more than 10 sft.) so that the applied grout surface can be cleaned within stipulated time (5-7 minutes).

Spread the grout with a sharp, firm rubber grout float. Work the grout paste into the joints.

Force the material into joints, Ensure the joints are fully packed with material to get flush with tile surface and free from voids and gaps.

Remove excess grout from the face of the tiles with the edge of the grout float. Hold the float at 90° angle and pull it diagonally across the joints and tile to avoid pulling out the material. Ensure the maximum grout haze or excess grout is removed from the surface while the grout is still fresh.

Leave the grouted surface to get touch dry or skin-over the surface (5-7 minutes).

In case there is some unused grout material in the grout pail, make sure the lid is closed tightly to re-use the grout when application work starts in future course of time (within shelf life of product)

Initial Cleaning: USE CLEAN WATER FOR INITIAL CLEANING. DO NOT USE ANY CLEANER or SOLVENTS.

Cleaning should begin after the surface gets a dry skin-over appearance usually within 5-7 minutes. (Skinning/drying time will vary depending on temperature, humidity, tile porosity and grout joint depth).

NOTE: When the ambient temperature is lower than 50°F (10°C) please wait longer for initial cleaning. Based on the temperature, keep checking the surface of applied grout for hardening and once it is evident, start cleaning the grouted area. Please refer to the table given below indicating the approximate time for initial cleaning with respect to ambient temperature range.

Initial cleaning time indicator Vs. Temperature		
Temperature range		Time in minutes
Low	(10°C – 14°C)	15 Minutes
Normal	(15°C – 23°C)	10 Minutes
High	(23°C – 27°C)	7 Minutes
Very High	(28°C– 35°C)	5 Minutes

Move a damp sponge across the tile surface and allow to soak the haze for 20-30 secs to loosen the haze layer. Do not pour excess water on tile surface which leads grout leaching from joints and delay of joint curing.

After 20-30secs of soaking the surface, clean the surface with sponge by moving in circular motion across the tile surface to loosen the haze and to shape out the joints.

Place the sponge on the tile surface and use gently by giving very little pressure to ensure a full flush grout joint. Drag a damp clean sponge diagonally over the wiped surface to remove grout residue.

Rinse your sponge before each cleaning by dipping the sponge in water. Squeeze as much water out of sponge as possible before placing it on the tile after rinsing in the bucket. Change the bucket of water if needed. Do not over wash grout joints. Do not bend the sponge as it pulls grouts from the joints.

Finally, remove all the water droplets or halos as much as we can by dragging them with tint free wet cloth or towel or dry sponge and let the surface dry for 24 hours before allowing light foot traffic.

Final Cleaning: Haze Removal from Tile/ Stone

If clear halos, residue remains on the surface after 10-24 hrs, clean the surface with clean water /soap water using nylon scrub pad.

Use the scrubber given with the grout kit and run the scrubber in circular motion to remove the dried haze, residual grout material, by applying 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.

Allow the grout to cure for at least 3 days to permit heavy foot traffic. Protect grout from stains and chemicals during the cure process.

AVAILABILITY AND COST

Availability

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

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

WARRANTY

The supplier warrants this product will not deteriorate under normal conditions and use, the warranty validity of one (1) year. The product is subject to the terms and conditions stated in the LATICRETE® Product Warranty. Please consult our technical support for further information

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.com

Warning: The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® is 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. The results shown are typical but reflect test procedures used. Actual field performance will depend on installation method and site conditions.
