



**For the Builders
of a Better World™**

STELLAR™

STELLAR™ 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, non-sag formula, with no hassle of mixing two packs or any other liquids like water or latex liquid.



FEATURES/BENEFITS

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

USES

All external & internal floor & wall grout joints.

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

MANUFACTURER/ DISTRIBUTED BY

LATICRETE South East Asia Pte Ltd
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Telephone: +65 6515 3028 Fax: +65 6515 3037
Internet: se.laticrete.com

STANDARDS/CERTIFICATIONS

- EN 12808-3
- ISO 13007
- EN 12002
- EN 12808-5
- GTM 58
- ANSI 118.3
- ASTM C267

Suitable Substrates

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

Packaging

1 kg and 5 kg

Approximate Coverage

Refer to Coverage Chart.

Actual coverage will vary depending on job site conditions, actual tile size and installed grout joint size. Add 10% for waste, spillage and clean-up, and another 10%–15% when grouting unglazed quarry tile.

Shelf Life

12 months unopened. Store at $\geq 0^{\circ}\text{C}$ to $\leq 40^{\circ}\text{C}$ in a sheltered area (out of the sun). Material should be kept in a cool dry place prior to application. Do not allow to freeze.

Limitations

- Not for industrial use. For industrial applications exposed to high concentrations of food and mineral acids and to high heat, use SPECTRALOCK 2000 IG.
- 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.
- Actual color shade, and texture may vary due to job site conditions, installation technique and raw material. The colors of cured material may not match and in some cases differ considerably between the actual colors achieved on site. No responsibility can be accepted once the products have been applied. Rest assures that essential controls are taken during the production of the product colors.
- Color and gloss retention of the coating finish may vary depending on type of color, subject to environmental exposures such as temperature, UV intensity, chemical spills, application quality and generic type of resinous finish. Contact LATICRETE Technical representative for further information.

Cautions

FOR PROFESSIONAL USE ONLY

- 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™ 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 @ 21°C .
- Some soft polished marble or delicate glazed or glass tile might be scratched by STELLAR™ during installation. Apply a small test area to determine results before grouting entire installation.
- Highly porous stones may require pre-sealing with STONETECH® BulletProof Sealer before application of grout. Wait for 48 hours before grouting after pre-sealing with sealer.
- In steam rooms or submerged applications, allow STELLAR™ to cure for 14 days at 21°C before use of area and filling with water.
- Resinous grout materials may affect the colour 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 test area to determine compatibility with metal or steel tiles.

Let the surface dry 24 hours before allowing foot traffic. Mock-ups and field test areas are required in order to validate performance and appearance related characteristics (including but not limited to color, inherent surface variations, wear, anti-dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc.) to ensure system performance as specified for the intended use, and to determine approval of the decorative flooring system.

TECHNICAL DATA

Performance Properties

Test	Test Method	Results
Compressive Strength (Modified test method)	EN 12808-3	$\geq 12 \text{ N/mm}^2$
Compressive Strength after freeze thaw (Modified test method)	EN 12808-3	$\geq 12 \text{ N/mm}^2$
Transverse deformation	ISO 13007 EN 12002	$\geq 5 \text{ mm}$

Water absorption (modified)	EN 12808-5	3% - 5%
Abrasion resistance Laticrete internal test method	GTM 58	0.00093 g/cycle
Chemical resistance	ANSI 118.3 ASTM C267	Pass
VOC	-	22.1 Grams per Liter (Minus Water)

Physical Properties

Specific gravity	1.77
Touch dry time	10 minutes
Pot Life	4 hours
Sag in vertical joints ANSI A 118.3	No change in shape/ no sagging
Shelf Life	1 year
Joint width	1.5 mm to 12 mm
Light Foot Traffic	After 24 hours
Full Traffic	7 days
Full Cure	14 days
Initial Final Cleaning	After 4 hours

Stain/Chemical resistance test results

Wine	1
Turmeric	3
Ink	2
Coffee	1
Ketchup	0
Coke	0
grease	0
Oil	1
Con. HCl	0
Con. H2SO4	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

Technical data shown in product data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance and test results will depend on installation methods and site conditions. Field test results will vary due to critical job site factors. All recommendations, statements and technical data contained in this data sheet are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind. Satisfactory results depend upon many factors beyond the control of LATICRETE South East Asia Pte Ltd. User shall rely on their own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from their direct use, indirect use or consequential to their use of the product. LATICRETE shall not be liable to the buyer or any third party for any injury, loss or damage directly or indirectly resulting from use or inability to use the product.

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. Substrates temperature must be between 5°C and 40°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™ 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 grout techniques to work with STELLAR™ Into tile joints. STELLAR™ 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)

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 & Final Cleaning:

When STELLAR™ is used for tiles or stones, highly absorbent tiles or stones or working in high temperatures, it is recommended to do the initial cleaning when the grout is dry to touch (4 hours).

Grout haze removal from tile/stone:

After a minimum period of 4 hours of application of the grout, use STELLAR™ haze removing cleaner, to clean the grouted area. DO NOT USE WATER TO CLEAN THE GROUT AREA. ONLY DILUTED CLEANER SHOULD BE USED TO CLEAN THE HAZE FROM TILES / STONES. 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 24 hours before allowing light foot traffic.

AVAILABILITY AND COST

Availability

LATICRETE® materials are available worldwide. For distributor information, call:

Telephone: (65) 6515-3028

Fax: (65) 6515-3037

For on-line distributor information, visit LATICRETE at se.laticrete.com

Cost

Contact a LATICRETE Distributor in your area.

WARRANTY

Subject to the conditions and limitations stated below, LATICRETE South East Asia Pte Ltd warrants that its products will be free from manufacturing defects and will not break down or deteriorate under normal usage for a period of one (1) year from the date of purchase when installed in accordance with the written specifications of LATICRETE and industry standard guidelines.

MAINTENANCE

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/ CONTACT

Technical Assistance

Information is available by calling:

LATICRETE South East Asia Pte Ltd

No. 38 Sungei Kadut Street 2

(Level 2, A3)

Singapore 729245

Telephone: (65) 6515-3028

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Email: enquiry@laticrete.com.sg

Technical and safety literature

To acquire technical and safety literature, please visit our website at se.laticrete.com

Disclaimer

LATICRETE is not responsible for product use beyond its intended application. Liability is limited to replacing defective materials. We are not responsible for any loss or damage resulting from improper use. Product specifications are subject to change without notice. For the most up-to-date information, please visit our website at se.laticrete.com.