



SPECTRALOCK® PRO Premium NS Grout

SPECTRALOCK PRO Premium NS Grout is a high performance epoxy grout which offers excellent color uniformity, durability, stain protection, and attractive, sealing grout joints in an easy-to-use, non-sag consistency .

Globally Proven
Construction Solutions



FEATURES/BENEFITS

- Stain resistant[#].
- Chemical resistant.
- Improved non-sag formula for walls and floors.
- Uniform color—no blotchiness or shading.
- Easy to maintain, cleanable to the original color.
- 45 minutes working time at 24°C.
- Inhibits the growth of stain-causing mold and mildew in the grout joints with antimicrobial product protection.
- Meets performance requirements of ANSI A118.3–1999.
- Ideal for installations at wide temperature ranges.
- Improved outperforms cement based grout.
- High fashion with Dazzle component.
- Tough, durable, and crack resistant.

[#] Stain Resistant (residential installation only) to common household cleaners, liquids and other goods. Clean all spills immediately.

USES

- Ceramic tile, glass tile and stone applications, residential and commercial.
- Interior and exterior on floors and walls[^].
- Ideal for re-grouting applications.
- Swimming pools, fountains and other wet area applications.

[^] Not for exterior façade.

MANUFACTURER/ DISTRIBUTED BY

LATICRETE South East Asia Pte Ltd
No. 38 Sungei Kadut, Street 2 (Level 2, A3) Singapore 729245
Telephone: +65 6515 3028 Fax: +65 6515 3037
Internet: se.laticrete.com

STANDARDS/CERTIFICATIONS

- ANSI A118.3, American National Standard Specifications for Chemical Resistant, Water Cleanable Tile-setting and Epoxy Grouting and Water Cleanable Tile-setting Epoxy Adhesive tested with 1244 (Bright White).
- WI 9.1.73

Packaging

Commercial Unit consists of:

Part A: 4 x 0.6kg

Part B: 4 x 0.6kg

Part C: 8 x 1.5kg

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

Factory sealed containers of this product part A & B are guaranteed to be of first quality for one (1) year* if stored at temperatures greater than 0°C and less than 35°C.

* High humidity will reduce the shelf life of bagged product.

Limitations

- Not for use in areas subjected to harsh chemicals, or areas exposed to aggressive cleaning regimens (e.g. steam cleaning). Not for use on floor and base areas in veterinary clinics, kennels, or in applications exposed to high concentrations of food and mineral acids or areas exposed to high temperatures. For these areas LATICRETE recommends using grout that meets ANSI A118.5 such as SPECTRALOCK® 2000 Industrial Grout.
- Epoxy grout for ceramic tile and stone is not a replacement for a waterproofing membrane. When a waterproofing membrane is required, use a LATICRETE Waterproofing 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.
- SPECTRALOCK PRO Premium NS Grout† should not be used on floors and base in the food preparation or cleaning area of commercial and industrial kitchen applications. •
- Stain resistant to common household cleaners, liquids and other goods. Clean all spills immediately. Stain resistant in residential installations only.

Cautions

- Do not mix SPECTRALOCK PRO Premium NS Grout† Part A or Part B liquids with SPECTRALOCK PRO NS Grout† Part A or Part B liquids.

- Do not install SPECTRALOCK PRO Premium NS Grout† adjacent to SPECTRALOCK PRO NS Grout† of the same color to avoid possible color shade and texture variation.
- DO NOT add water or any other material to the mixture, or re-temper with water. This will have an adverse effect on the product and void all warranties.
- Protect finished work from traffic until fully cured.
- SPECTRALOCK PRO Premium NS Grout† liquid components cause skin burns and serious eye damage. Avoid contact with eyes and 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. Silica sand may cause cancer, respiratory irritation or serious lung problems. Do not breathe dust. Wear a respirator or dust mask. See SDS for more information.
- Because propane gas heaters will cause epoxy grouts to yellow, refrain from using such heaters or properly vent all exhaust.
- Keep out of reach of children.
- Protect from freezing.
- Light colors may darken and dark colors may fade slightly from direct UV exposure in exterior applications. Consult with LATICRETE Technical Services for specific exterior recommendations.
- SPECTRALOCK Dazzle (Glow) not for use in submerged installations.
- Maximum stain resistance is achieved in seven days at 24°C. Protect from exposure to acids (such as mustard, salad dressing, etc.) and strong cleaners during this period.
- Protect grout from dirt, construction debris, and contamination for 7 days @ 24°C.
- SPECTRALOCK PRO Premium NS GROUT is a unsanded grout. Use of unsanded grouts in joints <2mm will result in a coarser surface compared to surfaces in wider joints.
- Some soft polished marble or delicate glazed or glass tile might be scratched by SPECTRALOCK PRO Premium NS Grout during installation. Apply a small test area to determine results before grouting entire installation.
- SPECTRALOCK Dazzle (Glow) might discolor from strong alkali cleaners and acids. Use a neutral pH solution of soap and water when cleaning SPECTRALOCK PRO Premium NS Grout mixed with SPECTRALOCK Dazzle (Glow).
- Some soft polished marble or delicate glazed or glass tile might be scratched by SPECTRALOCK PRO Premium NS Grout† during installation. Apply a small test area to determine results before grouting entire installation.
- In steam rooms or submerged applications, allow SPECTRALOCK PRO Premium NS Grout to cure for 10 days at 24°C days before use of area and filing with water. See TDS 192 for more information on these applications.
- Epoxy Resins may affect the color of white or porous stones (such as White Carrara, Thasos White, Royal Danby etc.)
- Test stones for compatibility with water and cleaning additive mixture.

- Conduct a test area to determine compatibility with metal or steel tile.

† United States Invention Patent No.: 6881768 (and other Patents)

TECHNICAL DATA

Performance Properties

Test	Test Method	Results
Water Cleanability	ANSI A118.3	Water Cleanable at 60 minutes*
Initial Set Service Strength (7 days)	ANSI A118.3	> 2 hours < 24 hours
Shear Bond Strength	ANSI A118.3	$\geq 7.0 \text{ N/mm}^2$
Vertical Joint Sag	ANSI A118.3	Pass
Quarry/Quarry Bond Strength	ANSI A118.3	$\geq 7.5 \text{ N/mm}^2$
Tensile Strength	ANSI A118.3	$\geq 7.5 \text{ N/mm}^2$
Thermal Shock	ANSI A118.3	$\geq 6 \text{ N/mm}^2$
Water Absorption	ANSI A118.3	$\leq 0.5\%$
Shrinkage	ANSI A118.3	$\leq 0.1\%$
Flexural Strength Under Standard Conditions	ISO 13007	$\geq 35 \text{ N/mm}^2$
Compressive Strength Under Standard Conditions	ISO 13007	$\geq 50 \text{ N/mm}^2$
Abrasion Resistance	ISO 13007	$\leq 48 \text{ mm}^3$

*For Glazed, smooth textured tile

Chemical Resistance* Chart

Chemical Name	Splash Exposure (30 min)	Intermittent Exposure (24 hours)	Continuous Exposure (7 days)
Lactic acid 5%	R	R	R
Acetic acid 5%	R	R	R
Formic acid 3%	R	R	NR
Sulfuric acid 20%	R	R*	NR*
Ethanol 10%	R	R	R
Ethanol 96%	R	R	NR
Sea water 3.5%	R	R	R
KOH 45%	R	R	R
Oxalic acid 10%	R	R	R
Benzoic acid 5%	R	R	R
Potassium Permanganate 10%	R*	R*	R*
Potassium Permanganate 1%	R*	R*	R*
Distilled water	R	R	R
Mineral water	R	R	R
Methanol	R	NR	NR
Isopropanol (Windex)	R	R	R
Chloroform	NR	NR	NR
Methylene Chloride	NR	NR	NR
Tartaric acid 50%	R	R	R
Tannic acid 50%	R	R	R

Sodium Hypochlorite (Bleach) 5%	R	R	NR
Xylene	R	R	R
Toluene	R	R	NR
MEK	R	NR	NR

*grout color may change

* Material will stain due to exposure to these items.

R=Recommended NR=Not Recommended. Chemical Resistance determined in accordance with ASTM C267-1982.

NOTES TO SPECIFIER: Use the constant exposure recommendations for intermittent exposure to reagents at temperatures above 32°C.

Working Properties

Density—15 lbs/gal (1.8 g/ml)

Test Standard		Temperature		
		4°C	24°C	35°C
ANSI A118.3 E-5.1	Working Time	120 min	45 min	30 min
WI 9.1.73	Tack Free Time	12 hrs	4 hrs	2 hrs
WI 9.1.73	Ready for Light Foot Traffic	24 hrs	12 hrs	6 hrs
WI 9.1.73	Ready for Heavy Foot Traffic	48 hrs	24 hrs	12 hrs
WI 9.1.73	Dirt, Stain Resistance, Food Spills, Household Cleaners	14 days	7 days	3 days
WI 9.1.73	Full Cure	28 days	14 days	7 days

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

INSTALLATION

Please refer to the Method of Statement from local LATICRETE office, How To Install SPECTRALOCK®† PRO Premium NS Grout, for detailed instructions of installation.

† United States Invention Patent No.: 6881768 (and other Patents)

AVAILABILITY AND COST

Availability

LATICRETE and LATAPOXY 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

LATICRETE International, Inc. warrants that SPECTRALOCK Pro Premium NS Grout is free from manufacturing defect and will not break down, deteriorate or disintegrate under normal usage for a period of one (1) year from date of purchase subject to the terms and conditions.

MAINTENANCE

LATICRETE recommends using STONETECH® surface products to protect, clean and enhance stone, masonry, tile and grout surfaces. Protect surfaces from common stains by using a STONETECH sealer such as STONETECH BulletProof® Sealer. Routine maintenance should follow with STONETECH Revitalizer® Cleaner and Protector or a neutral pH cleaner such as STONETECH Stone & Tile Cleaners. For tough or difficult to remove soil use STONETECH KlenzAll™ Cleaner, a nylon scrubbing pad or a long handled stiff bristle brush. For additional information, please refer to the Grout Guide, TDS 400 and TDS 113 Cement Grout Care & Maintenance for more information.

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
Fax: (65) 6515-3037
Email: enquiry@laticrete.com.sg

Technical and safety literature

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