SPECTRALOCK® PRO Premium Grout

DS-681-1026

Globally Proven Construction Solutions



1. PRODUCT NAME
SPECTRALOCK® PRO Premium Grout

2. MANUFACTURER
LATICRETE International, Inc.
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3. PRODUCT DESCRIPTION
SPECTRALOCK PRO Premium Grout is a high performance epoxy grout that offers excellent color uniformity, durability, stain protection, and beautiful, full grout joints in an easy-to-use, non-sag formula. Equipped with antimicrobial product protection.

Uses
- Ceramic tile, glass tile and stone
- Residential and commercial
- Interior and exterior
- Floors and walls
- Ideal for re-grouting applications
- Swimming pools, fountains and other wet area applications

Advantages
- Stainproof*
- Improved non-sag formula for walls and floors
- Uniform color—no blotchiness or shading
- Never needs sealing
- Easy to maintain, cleanable to the original color
- 80 minutes working time at 70°F (21°C)
- Equipped with antimicrobial product protection to fight the growth of stain-causing mold and mildew
- Meets performance requirements of ANSI A118.3
- Ideal for installations at wide temperature ranges
- Outperforms cement based grout
- High fashion with SPECTRALOCK Part D- DAZZLE™ component
- Can be used for grout joints from 1/16-1/2”
- Tough, durable and crack resistant

* Stainproof (residential installations only) to common household cleaners, liquids and other goods. Clean all spills immediately

Suitable Substrates

Packaging

Unit Size	Yield	Parts A & B	Part C Color Powder
Mini	0.2 US gal (0.7 L)	A: 4.6 fl.oz. (136.1 mL) B: 4.6 fl.oz. (141.5 mL)	C: 2 lb (0.9 kg)
Full	0.8 US gal (3.0 L)	A: 18.1 fl.oz. (536.1 mL) B: 18.6 fl.oz. (549.3 mL)	C: 9.0 lb (4.0 kg)
Commercial	3.2 US gal (12.0 L)	A: 4 x 18.1 fl.oz. (536.1 mL) B: 4 x 18.6 fl.oz. (549.3 mL)	C: 4 x 9.0 lb (4.0 kg)

Approximate Coverage
Refer to Coverage Chart located on Data Sheet 254.3 APD.
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. Expanded coverage tables at **www.laticrete.com/coverage.**

Shelf Life
Factory sealed containers of this product are guaranteed to be of first quality for the time listed below if stored at temperatures greater than 32°F (0°C) and less than 95°F (35°C). Part A & B Liquids – two (2) years Part C Powder – no limit* *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 IG.
- 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 (see Section 10 FILING SYSTEMS).
- SPECTRALOCK PRO Premium Grout† should not be used on floors and base in the food preparation or cleaning area of commercial and industrial kitchen applications.
- Stainproof to common household cleaners, liquids and other goods. Clean all spills immediately. Stainproof in residential installations only.

Cautions
- 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 Grout† liquid components cause severe 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 protection is achieved in seven days at 70°F (21°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 @ 70°F (21°C).
- SPECTRALOCK PRO Premium Grout is a sanded grout. Use of sanded grouts in joints <1/8" (3 mm) will result in a coarser surface compared to surfaces in wider joints.
- 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 Grout† mixed with SPECTRALOCK DAZZLE (Glow).
- Some soft polished marble or delicate glazed or glass tile might be scratched by SPECTRALOCK PRO Premium 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 Grout† to cure for 10 days at 70°F (21°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, Thassos 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.

4. TECHNICAL DATA

VOC/LEED Product Information
This product has been certified for Low Chemical Emissions (ULCOM/GG UL2818) under the UL GREENGUARD Certification Program For Chemical Emissions For Building Materials, Finishes and Furnishings (UL 2818 Standard) by UL Environment.

Total VOC Content form is 0.00026 lb/gal (0.031 g/l).

Applicable Standard
- ANSI A118.3 tested with 1244 Bright White

Physical Properties

Test/Test Method	Description	Results
ANSI A118.3 E5.1	Water Cleanability	Water Cleanable at 80 minutes
ANSI A118.3 E5.2	Initial Set Service Strength	> 2 hours < 24 hours
ANSI A118.3 E5.3	Shrinkage	0.10%
ANSI A118.3 E5.4	Vertical Joint Sag	Pass
ANSI A118.3 E5.5	Quarry/Quarry Bond Strength	1,100 psi (7.6 MPa) tile failure
ANSI A118.3 E5.6	Compressive Strength	3,800 psi (26.2 MPa) 7 days
ANSI A118.3 E5.7	Tensile Strength	1,100 psi (7.6 MPa) 7 days
ANSI A118.3 E5.8	Thermal Shock	900 psi (6.2 MPa)

Working Properties

Density —15 lbs/gal (1.8 g/ml)

Test Standard	Temperature			
		40°F (4°C)	70° (21°C)	95°F (35°C)
ANSI A118.3 E–5.1	Working Time	120 min.	80 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

Chemical Resistance

Chemical Resistance Chart

	splash	intermittent exposure	continuous exposure
Reagent	30 min	24hr	7d
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
10% Oxalic Acid	R	R	R
5% Benzoic Acid	R	R	R
10% Potassium Permanganate	R*	R*	R*
1% Potassium Permanganate	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
5% Sodium Hypochlorite (Bleach)	R	R	NR
Xylene	R	R	R
Toluene	R	R	NR
MEK	R	NR	NR

*grout color may change

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.

5. INSTALLATION

See Data Sheet 681.5, How To Install SPECTRALOCK® PRO Premium Grout for detailed installation instructions.

This document is available online at www.laticrete.com and is included in all Part A and B units.

6. AVAILABILITY AND COST

Availability
LATICRETE materials are available worldwide.

For Distributor Information, Call:
Toll Free: 1.800.243.4788
Telephone: +1.203.393.0010
For on-line distributor information, visit LATICRETE at **laticrete.com**

Cost
Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM:
- 25 Year System Warranty (US) (English)
- 10 Year System Warranty (US) (English)
- 1 Year Product Warranty (US) (English)
- Lifetime System Warranty (US) (English)

8. 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. Please refer to the TDS 400 Grout Guide and TDS 113 Cement Grout Care & Maintenance for more information.

9. TECHNICAL SERVICES

Technical Assistance
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: 1.800.243.4788, ext. 1235
Telephone: +1.203.393.0010, ext. 1235
Fax: +1.203.393.1948

Technical and Safety Literature
To acquire technical and safety literature, please visit our website at **laticrete.com**.

10. FILING SYSTEM

Additional product information is available on our website at laticrete.com. The following is a list of related documents:
- DS 230.13: LATICRETE Product Warranty
- DS 025.0: LATICRETE 25 Year System Warranty (United States and Canada)
- DS 230.99: LATICRETE Lifetime System Warranty (United States and Canada)
- DS 236.0: 9235 Waterproofing Membrane
- DS 634.0: SPECTRALOCK 2000 IG
- DS 663.0: HYDRO BAN®
- DS 685.0: SPECTRALOCK PRO Grout†
- DS 681.5: How To Install LATICRETE SPECTRALOCK PRO Premium Grout†
- TDS 400: LATICRETE Grout Guide
- TDS 192: Installation of Ceramic Tile In Swimming Pools

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