SPECTRALOCK® PRO Premium Grout†

DS-681.0-0314

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 patented, high performance epoxy grout which offers excellent color uniformity, durability, stain protection, and beautiful, full grout joints in an easy-to-use, non-sag formula.

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
- Easy to maintain, cleanable to the original color
- Meets performance requirements of ANSI A118.3
- 80 minutes working time at 70°F (21°C)
- Inhibits the growth of stain-causing mold and mildew in the grout joints with Microban® antimicrobial product protection
- Ideal for installations at wide temperature ranges
- Tough, durable, and crack resistant
- Improved outperforms cement based grout
- High fashion with Dazzle component

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

Packaging

Unit Size	Yield	Parts A & B	Part C Color Powder
Mini	0.2 US gal (0.7 L)	A: 0.32 lb (0.14 kg) B: 0.32 lb (0.14 kg)	C: 2 lb (0.9 kg)
Full	0.8 US gal (3.0 L)	A: 1.3 lb (0.6 kg) B: 1.3 lb (0.6 kg)	C: 9.0 lb (4.0 kg)
Commercial	3.2 US gal (12.0 L)	A: 4 x 1.3 lb (0.6 kg) B: 4 x 1.3 lb (0.6 kg)	C: 4 x 9.0 lb (4.0 kg)

Approximate Coverage

Refer to Coverage Chart located on Data Sheet 254.3 APD. Approximate coverage for SPECTRALOCK PRO Premium Grout† is the same as SPECTRALOCK PRO Grout†.
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 for installations only.

Cautions

- Do not mix SPECTRALOCK® PRO Premium Grout† Part A or Part B liquids with SPECTRALOCK PRO Grout† Part A or Part B liquids.
- Do not install SPECTRALOCK PRO Premium Grout† adjacent to SPECTRALOCK PRO 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 Grout† liquid components 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. Avoid breathing dust. Wear a respirator or dust mask. See MSDS 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, 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.

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)

Chemical Resistance*** Chart

Chemical Name	Splash Exposure (30 min)	Intermittent Exposure (24 hours)	Continuous Exposure (7 days)
20% Sulfuric Acid	R	R***	NR***
5% Lactic Acid (Milk)	R	R	R
50% Tannic Acid	R	R	R
50% Tartaric Acid	R	R	R
10% Oxalic Acid	R	R	R
5% Acetic Acid (Vinegar)	R	R	R
5% Benzoic Acid	R	R	R
3% Formic Acid	R	R	NR
5% Citric Acid (Gatorade Drink)	R	R	R
10% Potassium Permanganate	R***	R***	R***
1% Potassium Permanganate	R***	R***	R***
5% Sodium Hypochlorite (Bleach)	R	R	NR
45% KOH (Cascade)	R	R	R
Distilled Water	R	R	R

Chemical Resistance* Chart**

Chemical Name	Splash Exposure (30 min.)	Intermittent Exposure (24 hours)	Continuous Exposure (7 days)
Mineral Water	R	R	R
Sea Water	R	R	R
Methanol	R	NR	NR
10% Ethanol (wine, beer)	R	R	R
96% Ethanol (Spirit)	R	R	NR
Isopropanol (Windex)	R	R	R
Mek	R	NR	NR
Chloroform	NR	NR	NR
Methylene Chloride	NR	NR	NR
Toluene	R	R	NR
Xylene	R	R	R

*** 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 90°F (32°C).

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.
LIL-AS-01-110904	Tack Free Time	12 hrs.	4 hrs.	2 hrs.
LIL-AS-01-110904	Ready for Light Foot Traffic	24 hrs.	12 hrs.	6 hrs.
LIL-AS-01-110904	Ready for Heavy Foot Traffic	48 hrs.	24 hrs.	12 hrs.
LIL-AS-02-110904	Dirt, Stain Resistance, Food Spills, Household Cleaners	14 days	7 days	3 days
LIL-AS-03-110904	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.

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 AB units.

6. AVAILABILITY AND COST

Availability
LATICRETE® and LATAPOXY® 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 **www.laticrete.com.**

Cost Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM
DS 230.13: LATICRETE Product Warranty (United States and Canada)
A component of:
DS 025.0APD: LATICRETE 25 Year Tile & Stone System Warranty (United States and Canada)
DS 230.99: LATICRETE Lifetime Tile & Stone System Warranty (United States and Canada)

8. MAINTENANCE

LATICRETE and LATAPOXY grouts require routine cleaning with a neutral pH soap and water. Contact the cleaner manufacturer if another cleaner type will be used to ensure compatibility with the grout. All other LATICRETE and LATAPOXY materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers. Routine maintenance can be done with detergents and a sponge or mop. For tough or difficult to remove soil, a bleaching cleaner (e.g. Soft Scrub, Comet, Ajax, etc. or electric dish washing detergent) on a nylon scrubbing pad or a long handled stiff bristle brush can be used. Please note: Prior to using any cleaning material on a tile, etc. installation, test a discrete area or scrap piece of tile to insure desired results. For additional information, please refer to the LATICRETE Grout Guide, TDS 400.

9. TECHNICAL SERVICES

Technical Assistance
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: 1.800.243.4788, ext. 235
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

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

10. FILING SYSTEM

Additional product information is available on our website at **www.laticrete.com**. The following is a list of related documents:

DS 230.13:	LATICRETE Product Warranty (United States and Canada)
DS 025.0APD:	LATICRETE 25 Year Tile & Stone System Warranty (United States and Canada)
DS 230.99:	LATICRETE Lifetime Tile & Stone 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.

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

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