



SPECTRALOCK® PRO Premium Translucent Grout†

Globally Proven
Construction Solutions

DS-735.1-0319



1. PRODUCT NAME

SPECTRALOCK® PRO Premium Translucent Grout†

2. MANUFACTURER

LATICRETE International, Inc.

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3. PRODUCT DESCRIPTION

A patented, stainproof*, high performance epoxy grout that offers a unique opaque color that diffuses light and makes any design look more vibrant.

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*
- Non-sag formula for walls and floors
- Uniform color—no blotchiness or shading
- Never needs sealing
- Easy to maintain, cleanable to the original color
- Tough, durable, and crack resistant
- High fashion when combined with Part D: DAZZLE component
- Can be used for grout joints from 1/16-1/2" (1.5 – 12mm)
- Meets performance requirements of ANSI A118.3, ISO 13007-3 RG and EN 13888 RG
- 80 minutes working time at 70°F (21°C)
- Ideal for installations at wide temperature ranges

* 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 G Glass Beads
Mini	0.3 US gal (1.1 L)	A: 1.2 lb (0.54 kg) B: 2.44 lb (1.11kg)	G: 3.8 lb (1.7 kg)
Full	0.8 US gal (3.0 L)	A: 0.72b (0.3kg) B: 1.45lb(0.6kg)	G: 9.0 lb (4.0 kg)

Pallet Quantity

- Mini – 80 Units (20 Boxes)
- Full – 80 Units

Approximate Coverage (Full Unit)

Tile Size (inches)			Grout Joint Size (inches)				
Width	Length	Thickness	1/16	1/8	1/4	3/8	1/2
			0.0625	0.125	0.25	0.375	0.5
1	1	1/4	41	21	11	8	7
2	2	1/4	81	41	21	15	11
4 1/4	4 1/4	5/16	136	69	35	24	18
4	8	1/2	107	54	27	18	14
6	6	1/2	120	60	30	21	16
8	8	3/8	213	107	54	36	27
12	12	3/8	319	160	80	54	41
13	13	3/8	346	173	87	58	44
16	16	3/8	425	213	107	72	54
18	18	3/8	478	240	120	80	61
24	24	3/8	638	319	160	107	80

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 G Glass Beads – no limit

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 Translucent 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

Consult SDS for more safety information.

- 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 Translucent 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. 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.
- SPECTRALOCK Part D DAZZLE™ (Glow) not for use in submerged installations.
- Maximum stain protection is achieved in 7 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 DAZZLE (Glow) might discolor from strong alkali cleaners and acids. Use a neutral pH solution of soap and water when cleaning SPECTRALOCK PRO Premium Translucent 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 Translucent Grout to cure for 7 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 could 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 is 59g/l.

Applicable Standard

ANSI A118.3

ISO 13007-3, EN 13888

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	> 3 hours < 24 hours
ANSI A118.3 E5.3	Shrinkage	0.00%
ANSI A118.3 E5.4	Vertical Joint Sag	Pass
ANSI A118.3 E5.5	Quarry/Quarry Bond Strength	2,200 psi (15 MPa) tile failure
ANSI A118.3 E5.6	Compressive Strength	8,500 psi (58.6 MPa) 7 days
ANSI A118.3 E5.7	Tensile Strength	2,200 psi (15 MPa) 7 days
ANSI A118.3 E5.8	Thermal Shock	1,800 psi (12.4 MPa)
ANSI A118.5	Water Absorption	0.01%

Test	Test Method	Result
Abrasion Resistance	ISO 13007-4 4.4	36 mm ³
Flexural Strength Under Standard Conditions	ISO 13007-4 4.1.3	35.8 MPa
Compressive Strength Under Standard Conditions	ISO 13007-4 4.1.4	57.2 MPa
Shrinkage	ISO 13007-4 4.3	.00 mm/m

Chemical Resistance*** Chart

Chemical Name	Splash Exposure (30 min)	Intermittent Exposure (24 hours)	Continuous Exposure (7 days)
20% Sulfuric Acid	R	R*	R*
30% Nitric Acid	R	R*	R*
5% Lactic Acid (Milk)	R	R	NR
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
36.5% Hydrochloric Acid	R	R*	R*
10% Potassium Permanganate	R*	R*	R*
5% Sodium Hypochlorite (Bleach)	R	R	R
45% KOH (Cascade)	R	R	R*
Distilled Water	R	R	R
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	R	NR	NR
Toluene	R	R	NR
Xylene	R	R	NR

* Material will stain due to exposure to these items.

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

NOTESTOSPECIFIER: 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	Test Description	Temperature		
		50°F (4°C)	70° (21°C)	90°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	16 hrs.	8 hrs.	4 hrs.
LIL-AS-01-110904	Ready for Heavy Foot Traffic	24 hrs.	16 hrs.	6 hrs.
LIL-AS-02-110904	Dirt, Stain Resistance, Food Spills, Household Cleaners	9 days	7 days	3 days
LIL-AS-03-110904	Full Cure	9 days	7 days	3 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

Surface Preparation

See Data Sheet 735.5, 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.

Working time of grout is approximately 60 minutes at 70°F (21°C) after the components are thoroughly mixed.

Please note that working time is affected by many variables including grout mix consistency, surface and room temperatures. Warmer

climates, for example, will shorten working time, while colder conditions will extend working time.

Do not add water or any other materials to the grout mixture. Do not re-temper with water. This will have an adverse effect on the product and void all warranties.

Clean-up is critical. Prepare for the initial and final washes by having 2 pails of clean water ready for the clean-up process.

Mixing

Cut open Part A and B pouches, and squeeze the liquids (A first, then B) into a clean pail.

IMPORTANT: Fold pouches in half and roll up like a toothpaste tube. Make sure to squeeze all the liquids out of the pouches.

- To remove any remaining liquid, fold pouch in half from top to bottom, drape folded pouch over the edge of the pail and squeeze out liquids against the inside of the pail.
- Mix liquids thoroughly, completely blending all liquid from sides and bottom of pail. Mix with a margin trowel or slow speed drill mixer (< 300 RPM).
- Once blended, add Part G glass beads to blended A and B liquids and mix thoroughly with margin trowel or slow speed drill mixer (< 300 RPM). The SPECTRALOCK PRO Premium Translucent Grout unit is designed to use all the Part G glass beads for most applications. For narrow joints, it is acceptable to leave out up to 10% Part G glass beads to produce a more fluid mix.

MIXING WITH PART D SPECTRALOCK® DAZZLE™ POWDER:

- If using Part D DAZZLE™ Powder: Mix Part D DAZZLE powder into the blended liquids before adding the Part G glass beads. Use one (1) Part DAZZLE cup per mini unit, four (4) Part D DAZZLE cups per full unit. Be careful mixing, as Part D DAZZLE powder is light and will become airborne easily.
- Once blended, add Part G glass beads to the mix, leaving out an amount approximately equal to or slightly more than the volume of Part D DAZZLE powder used. Use the empty Part D DAZZLE cup to hold back the Part G glass beads.

NOTE: Mix to desired consistency.

Application

NOTE: After surfaces are cleaned, allow to dry thoroughly before grouting.

- Spread grout using a sharp edged, firm rubber grout float. Work the grout diagonally across the joints, packing them full.
- "Cut" excess grout off the tile surface using the edge of the float held at a 90° angle like a squeegee, stroking diagonally to avoid pulling grout out of filled joints.

Cleaning

NOTE: Have clean water, new clean sponge and initial wash cleaning additive packet ready.

- Once grout has been spread, wait approximately 20 minutes before cleaning (or within one hour of initial mixing of product). Wait longer at colder temperatures.
- Add initial wash cleaning additive to two gallons of clean water and mix until fully dissolved. Do not mix cleaning additive with grout.

- Submerge clean sponge into water and wring until damp. Change water with cleaning additive mixture every 50 ft² (4.6 m²) when using multiple units.
- Wipe grout joints and tile surface in a light circular motion, loosening grout residue while making the joints smooth.
- Drag a clean sponge diagonally over the scrubbed surfaces to remove grout residue. Rinse sponge after every pass; use each side of sponge only once between rinsing. Discard sponges when they become “gummy” with residue.
- Check work as you clean. Repair any low spots with additional grout.

WALL APPLICATIONS

Instead of a sponge, the use of a damp, well wrung, folded terry cloth towel can be helpful to remove excess grout while smoothing joints less than 1/8" (3 mm) on walls. Use light pressure when using folded terry cloth towel.

FINAL INSPECTION AND CLEANING

- Begin final cleaning approximately 40 minutes after initial wash has taken place. Prepare another 2 gallons (7.5 L) of clean water and pour in the final wash cleaning additive packet, and mix until fully dissolved.
- Follow the same process as the initial wash but use the clean white scrub pad in place of the sponge to break apart any leftover residue. Rinse scrub pad frequently.
- Then, drag a clean sponge diagonally over the scrubbed surfaces to remove froth and residue. Use each side of sponge only once before rinsing and change water and cleaning additive mixture at least every 50 ft² (4.6 m²) when using multiple units.
- Allow cleaned areas to dry and inspect tile/stone surface. For persistent grout film/haze (within 24 hours), scrub area with mixture of two gallons (7.5 L) clean water and 4 oz (118 ml) white vinegar. Conduct a test area to verify results on polished stones.
- Rinse with clean water and allow surface to dry. Inspect grout surface and repair as required with freshly mixed grout.
- Unlike cement grout haze that can be buffed off the following day, SPECTRALOCK® PRO Premium Translucent Grout film/haze that is allowed to cure on the tile surface may be difficult to remove. Make certain to check tile surface with adequate lighting after the tile surface is dry.
- Protect finished surface from traffic for at least 12 hours at 70°F (21°C).
- Do not expose grout to acid cleaners for 7 days.
- Allow grout to cure for 7 days at 70°F (21°C) prior to use in submerged applications or steam rooms.

See LATICRETE Technical Data Sheet 192 for more information

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

- | | |
|-----------|--|
| DS230.13: | LATICRETE Product Warranty
A Component of: |
| DS025.0: | LATICRETE 25 Year System Warranty
(United States and Canada) |
| DS230.99: | LATICRETE Lifetime System Warranty
(United States and Canada) |

8. MAINTENANCE

LATICRETE recommends using STONETECH® Epoxy Grout Haze & Coating Stripper for any haze residue left on the surface from improper cleaning. 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.

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 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 |
| 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 735.5: | How To Install LATICRETE SPECTRALOCK
PRO Premium Translucent Grout |
| TDS 400: | LATICRETE Grout Guide |
| TDS 192: | Installation of Ceramic Tile In Swimming Pools |

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