SPECTRALOCK® Pro Premium FS Grout

A patented, high performance epoxy grout that offers color uniformity, durability with stain protection, fine finish, easy- to use with non-sag formula.



ADVANTAGES



- Can be used for grout joints from 1 to 6 mm
- 80 minutes working time at 70°F (21°C)
- Equipped with anti-microbial technology.
- Ideal for installations at wide temperature ranges
- Uniform color—no blotchiness or shading
- Easy to maintain, cleanable to the original color.
- Stain resistant
- Tough, durable, and crack resistant
- Outperforms cement-based grout.
- Non-sag formula for walls and floors

USES

- Ceramic tile, glass tile and stone applications, residential and commercial
- Interior and exterior
- Floors and walls
- Ideal for re-grouting applications
- Fountains, and other wet area applications

MANUFACTURER

LATICRETE Middle East LLC.
P.O. Box. 86028, Ras Al Khaimah
United Arab Emirates
Toll Free (with in UAE) 800 5632
Telephone: + 971 7 244 6396
Fax: + 971 7 244 5915
www.laticrete.me

STANDARDS / CERTIFICATIONS

Meets performance requirements of **ANSI A118.3**

DCLD & GREENGUARD CERTIFIED





Please see the technical data

© LATICRETE International, Inc. All trademarks shown are the intellectual properties of their respective owners.
Data Sheets are subject to change without notice. For latest revision, visit www.laticrete.me

Packaging:

Unit Size	Yield	Parts A & B	Part C Color Powder
Full	0.8 US gal (3.0 L)	A: 0.60 kg B: 0.60 kg	C: 3.75 kg
Commercial	3.2 US gal (12.0 L)	A: 4 x 0.6 kg B: 4 x 0.6 kg	C: 4 x 3.75 kg

Available Colors

Available in a selected range of LATICRETE colors, contact your local LATICRETE sales representative for details.

Approximate Coverage: m²/Full Unit

TILE SIZE	JOINT WIDTH			
L x W x D	**2 mm**	**3 mm**	**4 mm**	**5 mm**
200 x 200 x 8	17.68	11.79	8.84	7.07
300 x 600 x 10	28.29	18.86	14.14	11.31
400 x 400 x 9	31.43	20.95	15.71	12.57
450 x 450 x 10	31.82	21.21	15.91	12.73
600 x 600 x 9	47.14	31.43	23.57	18.86
600 x 900 x 10	50.91	33.94	25.46	20.37

Coverage/ Unit formula:

C = Full Unit (Kg) / [1.75 x E x D x (L + W) / (L x W)]

C is Coverage (m² / Full unit)

E is Joint Width (mm)

D is Tile Thickness (mm)

L is Tile Length (mm)

W is Tile Width (mm)

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. Consult our technical service for assitance.

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 0°C (32°F) and less than 35°C (95°F). High humidity will reduce the shelf life of bagged product.

- Part A & B Liquids – 1 year
- Part C Powder – no limit

Limitations

- Not recommended for swimming pools due to reactive pool water chemicals.
- 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. 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® FS Grout† should not be used on floors and base in the food preparation or cleaning area of commercial and industrial kitchen applications.

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® FS 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.
- Maximum stain resistance 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).
- Some soft polished marble or delicate glazed or glass tile might be scratched by SECTRALOCK Pro Premium FS Grout during installation. Apply a small test area to determine results before grouting entire installation.
- In steam rooms or submerged applications, allow SECTRALOCK Pro Premium FS 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.
- SECTRALOCK Pro Premium FS Grout is resistant to staining when exposed to most household products and cleaners (e.g. ketchup). However, long term exposure to any material without proper cleaning and maintenance will increase the probability of stains.

© LATICRETE International, Inc. All trademarks shown are the intellectual properties of their respective owners.
Data Sheets are subject to change without notice. For latest revision, visit www.laticrete.me

- 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.

TECHNICAL DATA

Physical Properties

Test/Test Method	Description	Specification	Results
ANSI A118.3 E5.1	Water Cleanability	at 80 minutes	80 min
ANSI A118.3 E5.2	Initial Set Service Strength	> 2 hrs < 7d	> 2 hrs. < 24 hrs.
ANSI A118.3 E5.3	Shrinkage	< 0.25%	<0.05%
ANSI A118.3 E5.4	Vertical Joint Sag	No change in joint shape	Pass
ANSI A118.3 E5.5	Shear Bond Strength	1,000 psi (tile failure) 6.9 MPa	7.2
ANSI A118.3 E5.6	Compressive Strength	3,500 psi (24 MPa)	24.6
ANSI A118.3 E5.7	Tensile Strength	1,000 psi (6.9 MPa)	8.3
ANSI A118.3 E5.8	Thermal Shock	>510 psi (3.5 MPa)	4.2

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
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).

DCLD: This product has been certified for Low Emitting Materials by Dubai Central Laboratory Department (DCLD) of Dubai Municipality. No.CL20020733: 2017 Al Sa'fat Dubai Green Building Evaluation System.

GREENGUARD: 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.

Working Properties

Density—1.7 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.

INSTALLATION

Refer to the DS 1200/5 (instruction manual) for detailed installation instructions of SPECTRALOCK® Grout. The manual is accessible online at www.laticrete.me and is also included in the product packaging. Additionally, you can find it on our Laticrete Middle East & Africa YouTube channel.

AVAILABILITY AND COST

Availability

LATICRETE® materials are available worldwide. For distributor information, please contact us by email at: enquiry@laticrete.me or, visit www.laticrete.me

Cost

Contact a LATICRETE® closer distributor to obtain complete information and cost.

WARRANTY

The supplier warrants that the product will not deteriorate under normal conditions and use. The warranty validity of one (1) year. Contact Technical Support for further information

© LATICRETE International, Inc. All trademarks shown are the intellectual properties of their respective owners.
Data Sheets are subject to change without notice. For latest revision, visit www.laticrete.me

MAINTENANCE

LATICRETE® products are of high quality designed to achieve lasting installations and avoid maintenance, however performance and durability may depend on properly maintaining products, depending of the cleaning products used.

TECHNICAL SERVICES

Technical assistance
For information contact us by email at:
enquiry@laticrete.me

Technical and safety literature
To obtain technical and safety literature, please visit our website at: www.laticrete.me

Warning: The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® unable to directly control the installation conditions and modalities of application of products, do not assume any liability arising from their implementation. Those who want to use the LATICRETE® products must conduct adequate tests to determine the site specifications. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation method and site conditions.

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

© LATICRETE International, Inc. All trademarks shown are the intellectual properties of their respective owners.
Data Sheets are subject to change without notice. For latest revision, visit www.laticrete.me