



SPECTRALOCK® PRO Grout

DS-1039-1116



1. PRODUCT NAME

SPECTRALOCK® PRO Grout

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

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

SPECTRALOCK PRO Grout is a patented, professional only grade, high performance epoxy grout that offers colour uniformity, durability and stain resistance with extraordinary ease of use.

Uses

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

Advantages

- 80 minutes working time at 21°C
- Inhibits the growth of stain-causing mould and mildew in the grout joints with Microban antimicrobial product protection.
- Ideal for installations at wide temperature ranges. Uniform colour – no blotchiness or shading.
- Easy to maintain, cleanable to the original colour.
- Stain resistant.
- Tough, durable and crack resistant.
- Outperforms cement based grouts.

- Non-sag formula for walls and floors. High fashion with
- DAZZLE™ component.

Packaging

Unit Size	Parts A & B	Required Part C Colour Powder
Mini Unit (Carton) 45 cartons per pallet	A: 0.14 kg B: 0.14 kg	C: 1 kg
Full Unit (Pail) 80 pails per pallet	A: 0.6 kg B: 0.6 kg	C: 4 kg
Commercial (Carton) 44 cartons per pallet	A: 4 x 0.6 kg B: 4 x 0.6 kg	C: 4 x 4 kg

Approximate Coverage

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.au/grout-calculator

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for the time listed below if stored at temperatures

>0°C and <35°C

Part A & B liquids - two years

Part C Powders - 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 regimes (e.g. steam cleaning). Not for use on floors 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 SPECTRALOCK 2000 IG.
- Epoxy grout for ceramic tile and stone is not a replacement for waterproof membrane. When a waterproof membrane is required, use a LATICRETE Waterproof Membrane.
- SPECTRALOCK PRO Grout should not be used on floors and bases 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 PRO liquid components might irritate eyes and skin. Avoid contact with eyes and or prolonged contact with skin.
- Wear suitable PPE (gloves, long sleeve shirt and safety glasses), when applying. Flush thoroughly with water in case of initial contact with eyes or skin. See MSDS for more information.

- 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.
 - Professional Grade Only. Designed for easy installation by professional tilers.
 - Keep out of reach of children.
 - Protect from freezing.
 - Light colours may darken and dark colours may fade slightly from direct UV exposure in exterior applications. Consult with LATICRETE Technical Service for specific exterior recommendations.
 - SPECTRALOCK® DAZZLE™ (Glow) not for use in submerged installations
 - Maximum stain resistance is achieved in seven days at 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 at 21°C.
 - SPECTRALOCK PRO Grout is a sanded grout. Use of sanded grouts in joints <3 mm will result in coarser surface compared to surfaces with wider joints.
 - SPECTRALOCK DAZZLE (Glow) might discolour from strong alkali cleaners and acids. Use a neutral pH solution of soap and water when cleaning SPECTRALOCK PRO Grout mixed with Part-D DAZZLE Glow.
 - Some soft polished marble or delicate glazed or glass tile might be scratched by SPECTRALOCK PRO Grout during installation. Apply a small test area to determine results before grouting entire installation.
 - In steam rooms or submerged applications, allow SPECTRALOCK PRO Grout to cure for ten days at 21°C before use of area and filling with water. See TDS1006 for more information on these applications.
 - SPECTRALOCK PRO Grout is resistant to staining when exposed to most household products and cleaners (e.g. tomato sauce). However, long term exposure to any material without proper cleaning and maintenance will increase the probability of stains.
 - Epoxy Resins may affect the colour 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 test area to determine compatibility with metal or steel tile.
- United States Invention Patent No.:6881768 (and other Patents) apply to this product.

4. TECHNICAL DATA

VOC/LEED Product Information.

Total VOC Content (grams/litre) of product in unused form is 0.031 g/litre.

This product has been GREENGUARD Indoor Air Quality Certified by the GREENGUARD Environmental Institute under the GREENGUARD Standard for Low Emitting Products in finished form.

Applicable Standard

ANSI A 118.3, tested with 1244 Bright White

Physical Properties

Test Method	Description	Results
ANSI A118.3 E5.1	Water clean ability	at 80 minutes
ANSI A118.3 E5.2	Initial set Service Strength	>2 hours <24 hours
ANSI A118.3 E5.3	Shrinkage	<0.25%
ANSI A118.3 E5.4	Vertical joint sag	Pass
ANSI A118.3 E5.5	Quarry/quarry bond strength	Tile failure 6.9 MPa
ANSI A118.3 E5.6	Compressive strength	24 MPa at 7-days
ANSI A118.3 E5.7	Tensile strength	7.6 MPa at 7-days
ANSI A118.3 E5.8	Thermal shock	3.5 MPa
ANSI A118.3	Water absorption	<0.5%

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.

Chemical Resistance* Chart

Chemical name	Splash Exposure (30 minutes)	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
10% Ethanol (wine, beer)	R	R	R
Methanol	R	NR	NR
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

* Materials 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 recommendation for intermittent exposure to reagents at temperatures above 32°C.

Working Properties

Density 1.8 g/ml

Property	4°C	21°C	35°C
Working Time	120 minutes	80 minutes	30 minutes
Tack Free Time	12 hours	4 hours	2 hours
Light foot traffic	24 hours	12 hours	6 hours
Heavy foot traffic	48 hours	24 hours	12 hours
Stain resistance, food spill and household cleaners	14 days	7 days	3 days
Full Cure	28 days	14 days	7 days

Specifications subject to change without notification. Actual field performance will depend on installation methods and site conditions.

5. INSTALLATION

See TDS1007, How to Install SPECTRALOCK® PRO Grout, for detailed installation instructions. This document is available online at www.laticrete.com.au is included in all Part AB units.

6. AVAILABILITY AND COST

Availability

LATICRETE and LATAPOXY® materials are available worldwide.

For Distributor information:

Toll Free: 1800 331 012
Telephone: 07 3865 1599

For online distributor information, visit LATICRETE at www.laticrete.com.au

Cost

Contact a LATICRETE Distributor in your area.

7. MAINTENANCE

LATICRETE and LATAPOXY grouts require routine cleaning with a neutral pH soap and water. All other LATICRETE and LATAPOXY materials require no maintenance but installation performance and durability may depend on proper maintenance products supplied by other manufacturers. See TDS1005 for further information.

8. TECHNICAL SERVICES

Technical Assistance

Information is available by calling

Toll Free: 1800 331 012
Telephone: 07 3865 1599
Fax: 07 3865 2250

Technical and safety literature

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

9. DISCLAIMER

- The information contained in this document is given in good faith and to the best of our knowledge is true and accurate.
- This information is subject to change without notice and it is the responsibility of the user to obtain up to date and current information.
- The use of this product is beyond our control and LATICRETE is not responsible for any loss or damage arising from the incorrect use of this product.
- Efflorescence is a normal condition of Portland cement and is not covered by any warranty. The use of LATAPOXY 310 Stone Adhesive, LATAPOXY 300 Adhesive, SPECTRALOCK PRO Grout, LATAPOXY SP-100 and SPECTRALOCK 2000 IG will not contribute to any noticeable efflorescence.

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