



# SPECTRALOCK® PRO Premium Grout†

SPECTRALOCK PRO Premium Grout<sup>†</sup> is a patented, professional use, high performance epoxy grout which offers excellent colour uniformity, durability, stain protection, and beautiful, full grout joints in an easy to-use, non-sag formula.

## Globally Proven Construction Solutions



### FEATURES/BENEFITS

- Stainproof\*
- Improved non-sag formula for walls and floors
- Uniform colour—no blotchiness or shading
- Never needs sealing
- Easy to maintain, cleanable to the original colour
- Meets performance requirements of AS ISO 13007-3
- 80 minutes working time at 21 °C
- Equipped with Microban® anti-microbial technology
- Ideal for installations at wide temperature ranges
- Can be used for grout joints from 1.5mm – 12mm.
- 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 Colour Powder |
|------------|--------|--------------------------------|----------------------|
| Mini       | 0.7 L  | A: 0.14 kg<br>B: 0.14 kg       | C: 0.9 kg            |
| Full       | 3.0 L  | A: 0.6 kg<br>B: 0.6 kg         | C: 4.0 kg            |
| Commercial | 12.0 L | A: 4 X 0.6 kg<br>B: 4 X 0.6 kg | C: 4 X 4 kg          |

† United States Patent No.: 6,881,768 (and other Patents).

### 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

### MANUFACTURER

LATICRETE Australia  
29 Telford Street  
Virginia, QLD 4014 Australia

Telephone: 07 3865 1599  
Toll Free: 1800 331 012  
Fax: 07 3865 2250  
Internet: [www.laticrete.com.au](http://www.laticrete.com.au)

## Approximate Coverage

Refer to coverage chart located on Grout Colour Chart or LATICRETE calculators.

Approximate coverage for SPECTRALOCK® PRO Premium Grout<sup>1</sup> is the same as SPECTRALOCK PRO Grout<sup>1</sup>.

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/coverage](http://www.laticrete.com.au/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 0°C and less than 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, use LATICRETE 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.
- SPECTRALOCK PRO Premium Grout<sup>1</sup> should not be used on floors and base in the food preparation or cleaning area of commercial and industrial kitchen applications. For these areas use LATICRETE SPECTRALOCK 2000 IG.
- Stainproof (residential installation only) to common household cleaners, liquids and other goods. Clean all spills immediately.

## 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.
- Ensure substrates and tile bedding is dry prior to application.
- Protect finished work from traffic until fully cured. Do not use vapour blocking covers like polyethylene sheeting until grout has cured.
- SPECTRALOCK PRO Premium Grout<sup>1</sup> 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 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 colours 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 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 @ 21°C.

- SPECTRALOCK PRO Premium Grout<sup>1</sup> is a sanded grout. Use of sanded grouts in joints < 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<sup>1</sup> 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<sup>1</sup> to cure for 10 days at 21°C days before use of area and filing with water. See TDS1006 and TDS1400 for more information on these applications.
- Epoxy Resins may affect the colour 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.



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 0.031 g/l.

## TECHNICAL DATA

### VOC/LEED Product Information

#### Applicable Standard

ANSI A118.3 tested with 1244 Bright White, AS ISO13007.3, EN 13888. Meets and exceeds the requirements of AS ISO13007.3 as an RG.

### Physical Properties

| Test/Test Method     | Test Method                                 | 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)                |
| AS ISO 13007-4 4.4   | Abrasion Resistance                         | 48 mm3                           |
| AS ISO 13007-4 4.1.3 | Flexural Strength Under Standard Conditions | 35.9 MPa                         |

<sup>1</sup> United States Patent No.: 6,881,768 (and other Patents).

**Physical Properties** continued

| Test/Test Method     | Test Method                                    | Results   |
|----------------------|--|-----------|
| AS ISO 13007-4 4.1.4 | Compressive Strength Under Standard Conditions | 57.8 MPa  |
| AS ISO 13007-4 4.3   | Shrinkage                                      | 1.05 mm/m |
| AS ISO 13007-4 4.2   | Water Absorption After 240 min                 | 0.032 gm  |

**Chemical Resistance\*\* Chart**

| Chemical Name                   | Splash Exposure (30min) | Intermittent Exposure (24hrs) | Continuous Exposure (7 days) |
|---------------------------------|-------------------------|-------------------------------|------------------------------|
| 20% Sulfuric Acid               | R                       | R                             | R                            |
| 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                            |

**Chemical Resistance\*\* Chart** continued

| Chemical Name      | Splash Exposure (30min) | Intermittent Exposure (24hrs) | Continuous Exposure (7 days) |
|--------------------|-------------------------|-------------------------------|------------------------------|
| 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 32°C.

**Working Properties**

Density – 1.8g/ml

| Test Standard     |   | Temperature |         |        |
|-------------------|---|-------------|---------|--------|
|                   |   | 4°C         | 21°C    | 35°C   |
| ANSI A118.3 E-5.1 | Working Time  | 120 min     | 80 min  | 30 min |
| LIL-AS-01-110904  | Track 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-01-110904  | Dirt, Stain Resistance, Food Spills, Household Cleaners | 14 days     | 7 days  | 3 days |
| LIL-AS-01-110904  | 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

**INSTALLATIONS**

See Technical Data Sheet TDS1008, How To Grout with SPECTRALOCK® PRO Premium Grout<sup>1</sup>, for detailed installation instructions. Ensure adhesive and bedding are dry prior to grouting. Contact LATICRETE for free training, particularly where a trained LATICRETE SPECTRALOCK PRO Premium Grouter is a condition of warranty.

**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](http://www.laticrete.com.au)

**Cost**

Contact a LATICRETE Distributor in your area.

<sup>1</sup> United States Patent No.: 6,881,768 (and other Patents).

## MAINTENANCE

LATICRETE and LATAPOXY grouts, sealers and sealants require routine maintenance and cleaning with a neutral pH detergent and water. See TDS 1113 for more information.

All other LATICRETE and LATAPOXY non-finish materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

## 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](http://www.laticrete.com.au)

## 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, LATAPOXY SP-100, SPECTRALOCK PRO Premium Grout and SPECTRALOCK 2000IG will not contribute to any noticeable efflorescence.

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