SPECTRALOCK® PRO Grout

Globally Proven Construction Solutions

SPECTRALOCK PRO Grout offers the high performance, color uniformity, durability and stain resistance of epoxy grout with extraordinary ease of use.

FEATURES/BENEFITS

- 80 minutes working time at 21°C.
- Inhibits the growth of staincausing mold and mildew in the grout joints with Microban® antimicrobial product protection.
- Ideal for installations at wide temperature ranges.
- Uniform color—no blotchiness or shading.
- Easy to maintain, cleanable to the original color.
- Chemical resistant.
- Stain resistant.
- Tough, durable, and crack resistant.
- Outperforms cement based grout.
- Non-sag formula for walls and floors.
- High fashion with Dazzle component.

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.

STANDARDS/CERTIFICATIONS

- ISO 13007-3
- BS EN 13888

LATICRETE South East Asia Pte Ltd (Level 2, A3)
No. 38 Sungei Kadut, Street 2, Singapore 729245
Telephone: +65 6515 3028  Fax: +65 6515 3037
Internet: ss.laticrete.com

This product has been certified green under the UL GREENGUARD Certification Program.
Packaging
Commercial Unit consists of:
Part A: 4 x 0.6kg
Part B: 4 x 0.6kg
Part C: 4 x 4.1kg

Approximate Coverage
Refer to Coverage Chart.
Actual coverage will vary depending on job site conditions, actual tile size and installed grout joint size. Add 10% for waste, spillage and cleanup, and another 10%—15% when grouting unglazed quarry tile.

Shell Life
Factory sealed containers of this product part A & B are guaranteed to be of first quality for one (1) year* if stored at temperatures greater than 0°C and less than 35°C.
* 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 LATAPOxy® 2000 Industrial Grout.
- 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.

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 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.
- 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 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 @ 21°C.
- SPECTRALOCK PRO 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.
- 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.
- SPECTRALOCK Dazzle (Glow) might discolor from strong alkali cleaners and acids. Use a neutral pH solution of soap and water when cleaning SPECTRALOCK PRO Grout mixed with SPECTRALOCK Dazzle (Glow).
- In steam rooms or submerged applications, allow SPECTRALOCK PRO Grout to cure for 10 days at 21°C days before use of area and filing with water. See TDS 192 for more information on these applications.
- SPECTRALOCK PRO 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.
- Epoxy Resins may affect the color of white or porous stones (such as White Carrara, Thassos White, Royal Danby etc.)

† United States Invention Patent No.: 6817665 (and other Patents)

TECHNICAL DATA

### Performance Properties

<table>
<thead>
<tr>
<th>Test</th>
<th>Test Method</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Cleanability</td>
<td>ANSI A118.3 E5.1</td>
<td>Water Cleanable at 80 minutes</td>
</tr>
<tr>
<td>Initial Set Service Strength</td>
<td>ANSI A118.3 E5.2</td>
<td>&gt; 2 hours &lt; 24 hours</td>
</tr>
<tr>
<td>Shrinkage</td>
<td>ANSI A118.3 E5.3</td>
<td>&lt; 0.25%</td>
</tr>
<tr>
<td>Vertical Joint Sag</td>
<td>ANSI A118.3 E5.4</td>
<td>Pass</td>
</tr>
<tr>
<td>Quarry/Quarry Bond Strength</td>
<td>ANSI A118.3 E5.5</td>
<td>&gt;6.8N/mm²</td>
</tr>
<tr>
<td>Compressive Strength</td>
<td>ANSI A118.3 E5.6</td>
<td>&gt;23N/mm²</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>ANSI A118.3 E5.7</td>
<td>&gt;7.5N/mm²</td>
</tr>
<tr>
<td>Thermal Shock</td>
<td>ANSI A118.3 E5.8</td>
<td>&gt;3.4N/mm²</td>
</tr>
<tr>
<td>Water Absorption</td>
<td>ANSI A118.3</td>
<td>&lt; 0.50%</td>
</tr>
</tbody>
</table>

### Chemical Resistance* Chart

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Splash Exposure (30 min)</th>
<th>Intermittent Exposure (24 hours)</th>
<th>Continuous Exposure (7 days)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20% Sulfuric Acid</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>5% Lactic Acid (Milk)</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>50% Tamic Acid</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>10% Oxalic Acid (Vinegar)</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>5% Acetic Acid</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>5% Benzoic Acid</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
</tbody>
</table>
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<th>Chemical Name</th>
<th>Splash Exposure (30 min)</th>
<th>Intermittent Exposure (24 hours)</th>
<th>Continuous Exposure (7 days)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral Water</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Sea Water</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Methanol</td>
<td>NR</td>
<td>R</td>
<td>NR</td>
</tr>
<tr>
<td>10% Ethanol (wine, beer)</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>96% Ethanol (Spirit)</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Isopropanol (Windex)</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Mek</td>
<td>R</td>
<td>NR</td>
<td>NR</td>
</tr>
<tr>
<td>Chloroform</td>
<td>NR</td>
<td>NR</td>
<td>NR</td>
</tr>
<tr>
<td>Methylene Chloride</td>
<td>NR</td>
<td>NR</td>
<td>NR</td>
</tr>
<tr>
<td>Toluene</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Xylene</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
</tbody>
</table>

*Material will stain due to exposure to these items. R—Recommended, NR—Not Recommended. Chemical Resistance determined in accordance with ASTM C2611992.
NOTES TO SPECIFIER: Use the constant exposure recommendations for intermittent exposure to reagents at temperatures above 32°C.

### INSTALLATION
See Data Sheet 685.5, How To Install SpectraLOCK® PRO Grout, for detailed installation instructions. This document is available online at www.laticrete.com and is included in all Part AB units.
† United States Patent No.: 6881768 (and other Patents)

### AVAILABLE AND COST

**Availability**
LATICRETE and LATAPOXY materials are available worldwide. For distributor information, call:
**Telephone:** (65) 6515-3028
**Fax:** (65) 6515-3037
For online distributor information, visit LATICRETE at se.laticrete.com

**Cost**
Contact a LATICRETE Distributor in your area.

### WARRANTY
LATICRETE Internationa, Inc. warrants that SPECTRALOCK Pro Colour Grout is free from manufacturing defect that will not break down, deteriorate or disintegrate under normal usage for a period of one (1) year from date of purchase subject to the terms and conditions.

### 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 properly maintaining products supplied by other manufacturers.

### TECHNICAL SERVICES/CONTACT

**Technical Assistance**
Information is available by calling:

LATICRETE South East Asia Pte Ltd
(Level 2, A3), No. 38 Sungei Kadut, Street 2,
Singapore 729245
**Telephone:** (65) 6515-3028
**Fax:** (65) 6515-3037
**Email:** enquiry@laticrete.com.sg

Technical and safety literature
To acquire technical and safety literature, please visit our website at se.laticrete.com

### Working Properties
**Density—15 lbs/gal (1.8 g/ml)**

<table>
<thead>
<tr>
<th>Test Standard</th>
<th>Temperature 4°C</th>
<th>Temperature 21°C</th>
<th>Temperature 35°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI A118.3-5.1 Working Time</td>
<td>120 min</td>
<td>80 min</td>
<td>30 min</td>
</tr>
<tr>
<td>ULAS01-110904 Tack Free Time</td>
<td>12 hrs</td>
<td>4 hrs</td>
<td>2 hrs</td>
</tr>
<tr>
<td>ULAS01-110904 Ready for Light Foot Traffic</td>
<td>24 hrs</td>
<td>12 hrs</td>
<td>6 hrs</td>
</tr>
<tr>
<td>ULAS01-110904 Ready for Heavy Foot Traffic</td>
<td>48 hrs</td>
<td>24 hrs</td>
<td>2 hrs</td>
</tr>
<tr>
<td>ULAS02-110904 Dirt, Stain Resistance, Food Spills, Household Cleaners</td>
<td>14 days</td>
<td>7 days</td>
<td>3 days</td>
</tr>
<tr>
<td>ULAS03-110904 Full Cure</td>
<td>28 days</td>
<td>14 days</td>
<td>7 days</td>
</tr>
</tbody>
</table>

Specifications subject to change without notice. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

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**Notes:**
- R—Recommended
- NR—Not Recommended
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