



# SPECTRALOCK® PRO Premium Grout†

DS-681.0-1013

Globally Proven  
Construction Solutions



## 1. PRODUCT NAME

LATICRETE® SpectraLOCK PRO Premium Grout

## 2. SUPPLIER

LATICRETE UK  
Speke Hall Industrial Estate  
Speke, Liverpool, Merseyside, L24 1YA  
United Kingdom  
Tel: 0151 486 6101  
Fax: 0151 448 1982  
e-mail: sales@laticrete.co.uk  
[www.laticrete.co.uk](http://www.laticrete.co.uk)

## 3. PRODUCT DESCRIPTION

LATICRETE 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 application unlike any other epoxy based grouting system.

### 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 sparkling finish with Dazzle component.

### Packaging

Unit Size	Volume yield	Parts A & B by wt	Part C by wt
Mini	0.7 litre	A = 0.14kg & B = 0.14kg	C = 0.9kg
Full	3.0 litre	A = 0.6kg & B = 0.6kg	C = 4.0kg
Commercial	12.0 litre	4 X (A = 0.14kg & B = 0.14kg)	4 x (C = 4.0kg)

### Approximate Coverage

Refer to Coverage Chart located on Data Sheet 254.3 APD. Approximate coverage for SPECTRALOCK PRO Premium Grout† is the same as SPECTRALOCK PRO Grout†.

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. Complete coverage tables are at [www.laticrete.com/coverage](http://www.laticrete.com/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 32°F (0°C) and less than 95°F (35°C).

Part A & B Liquids – two (2) years Part C Powder – 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 Hydro Ban Waterproofing Membrane.
- SPECTRALOCK PRO Premium Grout† should not be used on floors and base in the food preparation or cleaning area of commercial and industrial kitchen applications – see above.
- Stain-proof to common household cleaners, liquids and other goods. Clean all spills immediately. Stain-proof in residential for installations only.

### 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 Premium 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 colours may darken and dark colours 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 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 PRO Premium Grout<sub>†</sub> is a sanded grout. Use of sanded grouts in joints < 3 mm wide will result in a coarser surface compared to surfaces in 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 Premium Grout<sub>†</sub> mixed with SPECTRALOCK DAZZLE (Glow).
- Some soft polished marble or delicate glazed or glass tile might be scratched by SPECTRALOCK PRO Premium Grout<sub>†</sub> 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<sub>†</sub> 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.
- Epoxy Resins may affect the colour of white or porous stones (such as White Carrera, 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.

#### 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 form is 0.031 g/l.**

##### Applicable Standard

ANSI A118.3 tested with 1244 Bright White

##### 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	> 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)

##### Chemical resistance:

Chemical resistant after 24 hours exposure to the following:	
Wine & Beer	20% Sulphuric acid
5% Acetic acid (Vinegar)	50% Tannic acid
Iso-propanol	5% acetic acid
Strong spirit (95% ethanol)	5% Hypochlorite bleach
Toluene	5% Citric acid
Xylene	45% Potassium Hydroxide

##### Working properties:

Water cleanable	For up to 80 mins @ 21°C
Tack free time	4 hours @ 21°C
Walk on time	12 hours @ 21°C
Stain resistant	After 7 days
Full cure	14 days
Shrinkage	< 0.10%
Density	1.8 Kg/Litre

Specifications may be 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

##### Time to traffic & use:

Temperatures:	4°C	21°C	35°C
Working time	120 mins	80 mins	30 mins
Tack free time	12 hrs	4 hrs	2 hrs
Light foot traffic	24 hrs	12 hrs	6 hrs
Heavy foot traffic	48 hrs	24 hrs	12 hrs
Stain resistance	14 days	7 days	2 days
Full cure	28 days	14 days	4 days

#### 5. INSTALLATION

See data sheet 681.5 for complete details on how to install "SpectraLOCK® PRO Premium grout". This document is available online at [www.laticrete.com](http://www.laticrete.com) and is included in all part A & B pack units. The correct and full installation procedure is described in brief below:

##### Ensure the following items are on the jobsite before grouting.

##### Preparation and Installation Tools

- Brush / vacuum (remove debris)
- Utility knife (removes excess thin-set in joints,
- Clean water and sponges (to clean surface of tile)
- Firm edged, rubber epoxy grout float
- Margin trowel
- Low speed drill and grout mix paddle (optional)
- Empty pails

##### Clean-up Supplies

- Fresh water supply
- Extra sponges (for floor installation)
- Terry cloth towels (optional for wall clean up)
- Empty pails
- White scrub pad

##### Surface Preparation

- Ensure the tile surface has no residual film from adhesive setting material.
- The use of a topical sealer or grout release applied to unglazed porcelain tile, abrasive, non-slip or rough textured tiles or porous tile or stone surfaces before grouting will facilitate cleaning.
- LATICRETE SpectraLOCK PRO Premium Grout, as well as other sanded grouts, may "scratch" glass tiles, soft or polished marble and stone, soft glazed and handmade tiles.
- Test grout on a small area to ensure compatibility.

- Test stone for compatibility with water & cleaning additive mixture.
- Epoxy resins may affect the colour of white or light coloured porous stones (such as white carrara, thusos white, royal danby, etc.).
- Make sure tile surface and open grout joints are clean, and free from debris, grout spacers or standing water.
- Surface temperature range for installation must be above 40°F (4°C) and less than 95°F (35°C).

### Working Time

Working time of grout is approximately 80 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.

### Mixing

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

### **IMPORTANT: ENSURE THE FULL CONTENTS OF ALL THE LIQUIDS IS SQUEEZED OUT OF THE POUCHES - NOTE:**

- Fold pouches in half and rollup like a toothpaste tube.
- 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 C colour powder to blended A and B liquids and mix thoroughly with margin trowel or slow speed drill mixer (< 300 RPM). The LATICRETE SpectraLOCK PRO Premium Grout unit is designed to use all the Part C colour powder for most applications. However for narrow joints, it is acceptable to leave out up to 10% Part C colour powder to produce a more fluid mix.

### **If using Part D Dazzle Powder:**

- Mix Part D Dazzle powder into the blended liquids before adding the Part C colour powder.
- Use one (1) Part D Dazzle cup per MINI unit, four (4) Part D Dazzle cups per FULL unit and sixteen (16) Part D Dazzle cups per COMMERCIAL unit.
- Be careful mixing, as Part D Dazzle powder is light and will become airborne easily.
- Once blended, add Part C colour powder 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 equivalent portion of Part C colour powder.
- **NOTE: You will not be able to add all the Part C colour powder when using Part D Dazzle powder. Mix to desired consistency.**

### Grouting method:

- 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 in 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.

### Initial cleaning of the freshly grouted Tile face:

- 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 8 litres 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 5.0 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 that are less than 3 mm on walls. Use light pressure when using folded terry cloth towel.

### Finished Inspection and Final tile face cleaning

- Begin final cleaning approximately one hour after initial wash has taken place. Prepare another 8 litres of clean water and pour in the FINAL WASH cleaning additive packet, & 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 5.0 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 7.5 litres of clean water and 120 ml of 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, LATICRETE SpectraLOCK PRO Premium Grout film/haze that is allowed to cure on the tile surface WILL be difficult to remove.
- Always check tile surface under good lighting once surface is dry.
- Protect finished surface from traffic for at least 12 hours at 21°C.
- Do not expose grout to ACID cleaners for 7 days.
- Allow grout to cure for 10 days at 21°C prior to use in **submerged applications or steam rooms**. See LATICRETE Technical Data Sheet 192 for more information.

## CAUTIONS

**NOTE: Always use protective clothing (gloves, long sleeve shirt and safety glasses) when working with epoxy LATICRETE® SpectraLOCK®\* PRO Premium Grout. KEEP OUT OF REACH OF CHILDREN.**

### Part AB Liquids Caution:

This product can be irritating to eyes and skin. Avoid prolonged contact with eyes and skin. In case of direct contact with eyes, wash eyes immediately with water and seek medical attention quickly. Do not swallow.

**KEEP OUT OF REACH OF CHILDREN.**

### Part C Powder Caution: Contains silica sand.

Crystalline silica inhaled from occupational sources can cause cancer in humans. Prolonged inhalation of silica sand may cause delayed lung injury including silicosis.

**May irritate eyes.** Avoid contact with eyes. In case of contact, flush thoroughly with water. Do not take internally. Avoid breathing dust. Wear safety glasses and a NIOSH approved dust respirator in dusty areas.

For more information consult the MSDS for this product.

**KEEP OUT OF REACH OF CHILDREN.**

### Part D Dazzle Caution

Avoid eye contact or prolonged contact with skin. Wash thoroughly after handling. If eye contact occurs, flush with water for 15 minutes. Avoid inhalation, which can cause breathing problems.

Fine particles can become airborne while mixing. Protect work area.

**KEEP OUT OF REACH OF CHILDREN.**

## 6. AVAILABILITY AND COST

### Availability

LATICRETE and LATAPOXY® materials are available worldwide.

For on-line Distributor Information, call 0151 486 6101 or visit

LATICRETE UK at

**[www.laticrete.co.uk](http://www.laticrete.co.uk)**

## 7. MAINTENANCE

Non-finish LATICRETE and LATAPOXY installation materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers. LATICRETE and LATAPOXY Grouts require routine cleaning with a neutral pH soap and water. Contact the cleaner manufacturer if another cleaner type will be used to ensure compatibility with the grout.

## 8. TECHNICAL SERVICES

### Technical Assistance

Information is available by calling the LATICRETE UK Technical Service Hotline:

Tel: 0151 486 6101

Fax: 0151 448 1982

e-mail: [sales@laticrete.co.uk](mailto:sales@laticrete.co.uk)

### Technical and Safety Literature

To acquire technical and safety literature, please visit our website at **[www.laticrete.co.uk](http://www.laticrete.co.uk)**

## 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 liability is assumed by the user when used incorrectly and not in accordance with LATICRETE guidelines.

The manufacturer is not responsible for any loss or damage arising from incorrect usage of this product.

The specifier or other party responsible for the project must ensure that the details in this data sheet are appropriate for the intended application and that additional detailing is performed for specific design or any areas that fall outside the scope of this specification.

---

LATICRETE International, Inc.

One LATICRETE Park North, Bethany, CT 06524-3423 USA • 1.800.243.4788 • +1.203.393.0010 • [www.laticrete.com](http://www.laticrete.com)

©2013 LATICRETE International, Inc.

All trademarks shown are the intellectual properties of their respective owners.