



LATICRETE® SpectraLOCK PRO Grout

Data Sheet 685aus.1

1. PRODUCT NAME

LATICRETE® SpectraLOCK PRO Grout.

2. MANUFACTURER

LATICRETE Pty Ltd.

464 Geelong Road,

Footscray West. VIC. 3012.

Telephone: 03 99336111

Toll Free: 1800 331012

Fax: 03 99336199

Toll Free Fax: 1800 808549

Internet: www.laticrete.com.au

3. PRODUCT DESCRIPTION

LATICRETE SpectraLOCK PRO Grout offers high performance, colour uniformity, durability and stain resistance of epoxy grout with extraordinary ease of use.

Uses

- Ceramic tile, glass tile and stone applications, residential and commercial.
- Interior and exterior
- Floors and Walls
- Swimming pools, fountains and other wet area applications.

Advantages

- Meets performance requirements of ANSI A118.3-1999
- LATICRETE approved substitute for LATAPOXY SP-100 Stainless Grout. (see limitations)
- 80 minutes working time at 21°C.
- Inhibits the growth of stain causing mould and mildew in the grout joints with antimicrobial product protection.
- Ideal for installations at wide temperature range.
- Uniform colour – no blotchiness or shading.
- Easy to maintain, cleanable to the original colour.
- Stain resistant.
- Tough, durable and crack resistant.
- Out performs cement based grout.
- Non-sag formula for walls and floors.
- High fashion with Dazzle components

Packaging

Unit Size	Yield	Parts A & B	Part C Colour Powder
Mini Carton	4x0.7L	4xA:0.14Kg 4xB:0.14Kg	C – 1kgs
Full	3.0L	A:0.6Kg B:0.6Kg	C – 4kgs
Commercial	12.0L	A:4 x 0.6Kg B:4 x 0.6Kg	C 4 x 4Kgs

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures greater than 0°C and less than 35°C.

Limitations

- Not for use in areas subjected to harsh chemicals, enzymatic cleaners 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 industrial applications exposed to high concentrations of food and mineral acids or areas exposed to high temperatures. Use LATAPOXY 2000 Industrial Epoxy Grout for such applications.
- 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.

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.
- LATICRETE SpectraLOCK PRO 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 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.
- Glow 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 is a sanded grout. Use of sanded grouts in joints <3mm will result in coarser surface compared to surfaces with wider joints.
- Part-D Dazzle (Glow) might discolour from strong alkali cleaners and acids. Use a neutral pH solution of soap and water when cleaning LATICRETE SpectraLOCK PRO mixed with Part-D Dazzle Glow.
- Some soft polished marble or delicate glazed or glass tile might be scratched by SpectraLOCK PRO during installation. Apply a small test area to determine results before grouting entire installation.
- In steam rooms, allow SpectraLOCK PRO to cure for seven days before use of room.
- SpectraLOCK PRO 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 porous stone. Verify results with a test area.

4. TECHNICAL DATA

Applicable Standard

ANSI A 118.3 – 1999, tested with 1244 Bright White

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 6.9Mpa
ANSI A118.3 E5.6	Compressive strength	24 MPa @ 7 days
ANSI A118.3 E5.7	Tensile strength	7.6 MPa @ 7 days
ANSI A118.3 E5.8	Thermal shock	3.5MPa
ANSI A118.3	Water absorption	<0.05%

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 min)	Intermittent Exposure (24 hours)	Continuous Exposure (7days)
20% Sulfuric Acid	R	R*	NR*
5% Lactic Acid (milk)	R	R	R
50% Tannic Acid	R	R	R*

This data sheet is subject to change without notice

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 1.8g/ml

Test Standard	4°C	21°C	35°C
Working Time ANSI A118.3 E5.1	120 min	80 min	30 min
Tack Free Time LIL-AS-01-110904	12 hrs	4 hrs	2 hrs
Light foot traffic LIL-AS-01-110904	24 hrs	12 hrs	6 hrs
Heavy foot traffic LIL-AS-01-110904	48 hrs	24 hrs	12 hrs
Stain resistance, food spill & household cleaners LIL-AS-02-110904	14 days	7 days	3 days
Full Cure LIL-AS-03-110904	28 days	14 days	7 days

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5. INSTALLATION

See Data Sheet 685.5 How to install LATICRETE SpectraLOCK PRO Grout for detailed installation instructions. This document is available online at www.laticrete.com and is included in all Part AB units.

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6. AVAILABILITY AND COST

Availability

LATICRETE and LATAPOXY® materials are available worldwide. For distributor information:

Toll Free: 1800 331012
Telephone: 1800 808549
Email: latocreteoz@laticrete.com.au

Queensland Office: 27 Telford Street,
Virginia. QLD. 4014.

Telephone: 07 38651599
Fax: 07 38652250

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

LATICRETE Pty Ltd warrants that LATICRETE SpectraLOCK PRO Grout is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of seven (7) years from date of purchase subject to the terms and conditions stated in the LATICRETE Product Warranty Data Sheet 230.7Paus. In addition, when used as a component of a LATICRETE System Installation, LATICRETE SpectraLOCK is warranted for a period of ten (10) years from date of purchase subject to the terms and conditions stated in the LATICRETE System Warranty Data Sheet 230.10Saus.

8. 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 TDS #400 for further information.

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling the LATICRETE Technical Service Hotline: (8am – 5pm EST)

Telephone:
Melbourne 03 99336111
Sydney 02 97164395
Fax: 03 99336199
Email: techservice@laticrete.com.au
gwall@laticrete.com.au

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Professionally
endorsed.*

