

# SpectraLOCK® Pro Premium Grout

## PRODUCT DESCRIPTION

LATICRETE® SpectraLOCK® Pro Premium Grout is a patented, 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.

### Application

#### INTERNAL AND EXTERNAL FLOOR & WALL\*\*

- Residential & Institutional kitchens
- Cafeterias & Food joints
- Wash rooms & Clean rooms
- Swimming pools, Spa & Sauna
- Hospitals, Operation theatres, Laboratories
- Schools & Education Institutes
- Podium slabs, drive ways & Atriums
- Terraces & Balconies\*

### Advantages

- *Stain Proof*
- Non-sag formula for floors and walls
- Flush joints possible
- Colour - fast
- Very Easy to install and clean
- Chemical and temperature resistant
- Non-cracking or powdering
- Suitable for joints of 0.5mm to 15mm width
- No – odor during application
- Available in attractive colors

\*\* Not suitable for External Facades. \* There can be color variations on exposure to UV rays.

### Packaging Components:

LATICRETE® SpectraLOCK® Pro Premium Grout is a factory proportioned kit with Resin (Part A), Hardener (Part B), and coloured filler powder (Part C).

UNIT	NET WEIGHT
1/5 <sup>th</sup> Unit	1.0 kg
1 unit	5.0 kg

### Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year if stored at temperatures >59°F (15°C) and <95° F (35°C).

### Limitations

- Light colours may darken slightly from direct UV exposure. Consult with Technical Services for specific exterior recommendations.
- For industrial applications exposed to high concentrations of food and mineral acids and to high heat, use LATAPOXY®2000 Industrial Epoxy Grout.
- Maximum stain resistance is achieved 10 days after installation. Protect from exposure to acids and strong cleaners during this period.
- Not recommended for soft, polished marble or delicate glazed tiles.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproof membranes. When a waterproof membrane is required, use LATICRETE® Waterproof Membrane.

**Coverage:** Refer to charts and SpectraLOCK® Pro Premium Grout calculator at [www.myklaticrete.com](http://www.myklaticrete.com)

**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 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.
- 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 MYK LATICRETE Technical Services for specific exterior recommendations.
- Protect grout from dirt, construction debris, and contamination for 10 days @ 70°F (21°C).
- Some soft polished marble or delicate glazed or glass tile might be scratched by LATICRETE 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 LATICRETE® SpectraLOCK® PRO Premium grout to cure for 10 days at 70°F (21°C) before use of area and filing with water.
- Epoxy Resins may affect the color of white or porous stones (such as White Carrara, Thasos White, and 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.

**TECHNICAL DATA**

**Applicable Standard**

ANSI A 118.3 - 1999

**Physical Properties**

TEST	Test Method	RESULTS
Water Cleanability	ANSI A 118.3 1999; E 5.1	80 min
Initial Set service strength	ANSI A 118.3 1999; E 5.2	>2 hours < 24 hours
Shrinkage	ANSI A 118.3 1999; E 5.3	< 0.25 %
Compressive Strength after 7 days	ANSI A 118.3 1999; E 5.6	>4000 PSI (27.5 MPa)
Tensile Strength after 7 days	ANSI A 118.3 1999; E 5.7	>1100 PSI (7.6 MPa)

**Working Properties at 70°F ( 21° C )**

Working Time	80 minutes
Tack Free Time	4 hours
Light Foot Traffic	24 hours
Heavy Foot Traffic	36 hours
Stain Resistance	10 Days
Full Cure	14 Days

**Specifications are subject to change without notification.**

**Results shown are typical but reflects test procedures used.**

**Actual field performance will depend on installation methods and site conditions.**

**Chemical Resistance Chart (at 70 °F/21 °C)**

Chemical Name	Splash Exposure ( 30 min)	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

\* Material will stain due to exposure to these items.

**Chemical Resistance\* Chart**

Chemical Name	Splash Exposure ( 30 min)	Intermittent Exposure (24 hours)	Continuous Exposure (7 Days)
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
MEK	R	NR	NR
Chloroform	NR	NR	NR

Methylene Chloride	NR	NR	NR
Toluene	R	R	NR
Xylene	R	R	R

\*Chemical Resistance depends on exposure levels:

**Splash** - Minor spill wiped up quickly such as in a laboratory.

**Intermittent** - Exposure to chemicals where clean up takes place several times a day such as in a commercial kitchen.

**Continuous** - Heavy exposure to chemicals where clean up is less frequent such as in an industrial food plant.

**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 90°F (32°C).

**INSTALLATION**

**Surface Preparation**

Before starting to grout, remove debris in grout joints and lightly sponge (wet) the tile surface to remove dust and dirt.

**Do not clean tiles with acid cleaners.** Substrate temperature must between 60°F (16°C) and 90°F (32°C).

**Mixing**

Empty entire contents of SpectraLOCK® Pro Premium Grout Part “A” and Part “B” pouches into a clean mixing pail. Mix with a margin trowel or a slow speed drill mixer until liquids are completely blended. Add at least ¾ of SpectraLOCK Pro Premium Grout Part “C” Filler Powder and mix to a uniform consistency. Add remaining powder as per mix consistency requirements. Mix as stiff as possible to work into the joints.

## **Application**

Immediately pour entire contents of bucket onto working area. Use a plastic sheet as a drop cloth. Use standard epoxy grouting techniques to work with SpectraLOCK® Pro Premium Grout into tile joints. SpectraLOCK® Pro Premium Grout can also be applied with a caulking gun. Be sure all grout joints are packed full. Remove as much excess material as possible with grout float before initial cleaning. Do not leave excess grout on the face of tiles.

## **Cleaning**

Remove excess grout from the face of the tiles with the edge of the grout float. Hold the float at a 90° angle and pull it diagonally across the joints and tile to avoid pulling out the material.

**Initial Cleaning:** After 30-45 min of the application of the grout, lightly run the wet sponge on the surface of the tile & joint with sponge provided to remove any excess grout. Then take a clean thick white towel / sponge and drag across the tile to remove any residue.

**Final Cleaning:** Within 24 hours, do a second cleaning with normal detergent soap and sponge to remove any haze from the tile.

## **AVAILABILITY AND COST**

### **Availability**

LATICRETE® and LATAPOXY® materials are available worldwide.

For distributor information:

Telephone: +91-40-30413100

FAX: +91-40-23378784

E-mail: [contact@myklaticrete.com](mailto:contact@myklaticrete.com)

### **Cost**

Contact a MYK LATICRETE® Distributor in your area.

## **MAINTENANCE**

LATICRETE® and LATAPOXY® grouts require routine cleaning with neutral pH soap and water or MYK LATICRETE Clenza series suitable cleaners. All other LATICRETE® and LATAPOXY® materials require no maintenance but proper installation as per instruction.

Performance and durability may depend on properly maintaining of Installed area.

## **WARRANTY**

MYK LATICRETE India Pvt Ltd warrants that LATICRETE® SpectraLOCK® Pro Premium Grout is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of one (1) year from manufacturing of the product subject to the terms and conditions stated in MYK LATICRETE® Product Warranty.

Note: Data Sheets are subject to change without notice. For latest revision, check our website at [www.myklaticrete.com](http://www.myklaticrete.com)

## **TECHNICAL SERVICES**

### **Technical assistance**

Information is available by calling the MYK LATICRETE Technical Service at:

Telephone: +91-40-30413100

FAX: +91-40-23378784

E-mail: [technicalservices@myklaticrete.com](mailto:technicalservices@myklaticrete.com)

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