



Globally Proven
Construction Solutions

SPECTRALOCK® PRO Premium Grout* Installation Guide Australia

TDS-1008



- A professional grade product for tiling contractors.
- For most ceramic tile, glass tile, porcelain tile and natural stone.
- Floors and walls.
- Interior and exterior.
- Residential and commercial.

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

Easy to Install, Easy to Clean-UP! SPECTRALOCK® PRO Premium Grout* installs easily and provides the colour uniformity, stain protection and durability of an epoxy. New improved non-sag formula makes installation even easier and helps achieve full, flush grout joints. LATICRETE® SPECTRALOCK PRO Premium Grout can be used for interior or exterior applications on floors and walls. SPECTRALOCK PRO Premium Grout may also be used with LATICRETE SPECTRALOCK DAZZLE™, a design component that produces metallic and glow-in-the-dark grout when mixed with our 40 lifestyle colours.

Before you Begin

Contact LATICRETE for free training, particularly where a trained LATICRETE SPECTRALOCK PRO Premium Grouter is a condition of warranty.

Important: Do not mix SPECTRALOCK PRO Grout Part A OR Part B liquids with SPECTRALOCK PRO Premium Grout Part A OR Part B liquids.

Do not install SPECTRALOCK PRO Grout adjacent to SPECTRALOCK PRO Premium Grout of the same colour to avoid possible colour shade and texture variation.

- SPECTRALOCK PRO Premium Grout is easy to use however is not installed in the same way as ordinary epoxy grouts.
- Follow adhesive manufacturer's recommendations for minimum cure time prior to grouting.
- SPECTRALOCK PRO Premium Grout is a sanded grout. Use of sanded grouts in joints less than 3 mm will result in a coarser surface texture as compared to wider joints.
- Do not add water or any other materials to the grout mixture. Do not re-temper with water. This will have an adverse effect on the product and void all warranties.
- Clean-up is critical. Prepare for the initial and final washes by having 2 pails of clean water ready for the clean up process.
- Not for use in areas subjected to enzymatic cleaners and no-rinse cleaners.
- Part C grout powder should be from the same batch/lot and have the same C.N. number. If using Part C powder with different C.N. numbers, mix dry powder thoroughly prior to adding gauging liquid. No claims for shade variation will be honoured.
- Conduct mock-up of grouts with the tile for approval of colour prior to commencing installation.

ENSURE THE FOLLOWING ITEMS ARE ON THE JOBSITE BEFORE GROUTING.

Preparation and Installation Tools

- Broom/vacuum (remove debris)
- Utility knife (removes excess thin-set in joints, open A and B pouches)
- 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

STORAGE



Condition the components at 21°C to allow for easier application.
Protect Part A and Part B liquids from freezing.

SURFACE PREPARATION

Note: Ensure the substrate including tile bedding is dry before commencing work. Wet/damp substrates may damage curing grout, cause surface blemishes in the grout, discolour grout or re-emulsify curing resins.

- Ensure the tile surface is clean and has no residual film from adhesive setting material.
- The use of a STONETECH® 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.
- 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.

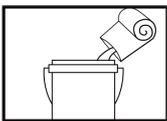
- Test stone for compatibility with water and cleaning additive mixture.
- Epoxy resins may affect the colour of white or light coloured porous stones (such as White Carrara, Thassos White, Royal Danby, etc.).
- Make sure tile joints are free from debris, spacers, high tile mountings or standing water.
- Surface temperature range for installation must be above 4°C (including for the length of the cure period) and less than 35°C.

WORKING TIME

Working time of grout is approximately 80 minutes at 21°C after the components are thoroughly mixed. Please note that working time is affected by many variables including grout mix consistency, surface and ambient temperatures. Warmer climates, for example, will shorten working time, while colder conditions will extend working time.

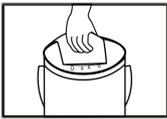
NOTE: Wear appropriate personal protection, including gloves and glasses. See SDS.

MIXING



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

IMPORTANT: MAKE SURE TO SQUEEZE ALL THE LIQUIDS OUT OF THE POUCHES. DO NOT SPLIT KITS. USE FULL KITS ONLY.



NOTE:

- Make sure tile is ready to grout before mixing.
- 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 SPECTRALOCK® PRO Premium Grout unit is designed to use all the Part C colour powder for most applications. For narrow joints, it is acceptable to leave out up to 10% Part C colour powder to produce a more fluid mix.

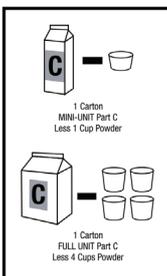


MIXING WITH PART D DAZZLE™ POWDER



- 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, 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 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

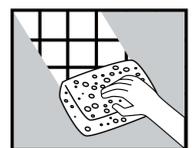


- After surfaces are cleaned, allow to dry thoroughly before grouting.
- Spread grout using a sharp edged, firm rubber grout float. Work the grout diagonally across the joints, packing them full.
- “Cut” excess grout off the tile surface using the edge of the float held at a 90° angle like a squeegee, striking the joint direction at an angle to avoid having the float edge digging into the packed joint and pulling grout out.



- Once the grout has been spread and joints filled, loosen any excess grout and dress joints smooth by using a damp (not wet) sponge, in a circular motion, cleaning off any further excess grout on the face of the tile as you progress. Rinse out sponge regularly in a clean bucket of water.

INITIAL WASH



NOTE: Have clean water, new clean sponge and initial wash cleaning additive packet ready.

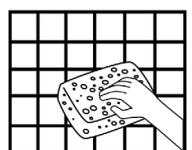
- Wait 20 minutes before commencing the cleaning off of the epoxy film with a damp not wet sponge (or within one hour of initial mixing of product). Wait longer at colder temperatures. Prepare film washing water by adding a sachet of the initial wash cleaning additive to 7.5 Litres of clean water and mixed until fully dissolved. Do not mix cleaning additive with grout. Immerse clean sponge into water wring until damp. Change water with new cleaning additive mixture every 4.6m².
- Drag a clean damp sponge diagonally over the tile surface to remove grout film. 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.
- Do not use wet sponges or excessive water to clean grout film from the surface before the grout has taken set.

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 less than 3 mm on walls. Use light pressure when using folded terry cloth towel.

FINAL INSPECTION AND CLEANING

- Begin final cleaning approximately one hour after initial wash has taken place or when the grout can withstand the use of a scrub pad without effecting surface finish. Prepare another 7.5 litres of clean water and pour in the final wash cleaning additive packet, and 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 film. Rinse scrub pad frequently.



- Then, drag a clean damp 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 4.6 m² when using multiple units.
- Allow cleaned areas to dry and inspect tile/stone surface. For persistent grout film/haze (within 24 hours and after grout has taken set), scrub area with mixture of 7.5 litres clean water and 120 ml 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, SPECTRALOCK® PRO Premium Grout* film/haze that is allowed to cure on the tile surface may be difficult to remove. Make certain to check tile surface with adequate lighting after the tile surface is dry.
- Clean hardened or set grout haze with STONETECH® Epoxy Grout Haze & Coating Stripper only. Do not use it on uncured epoxy grout joints.
- Protect finished surface from traffic for at least 12 hours at 21°C.
- **Do not expose grout to acid cleaners or epoxy grout haze removers for 7 days.**
- Allow grout to cure for 10 days at 21°C prior to use in immersed applications or steam rooms. See LATICRETE SPECTRALOCK PRO Premium Grout Product Data Sheet DS-1191 for more information.
- The use of excess water during installation or immersing installations in water before adequate curing will likely cause damage to the grout installation. Manifestations include, whitening of grout, weakening of grout or loss of chemical resistance.
- The use of cleaning chemicals on curing grout, other than those discussed in this document, will damage the grout. Manifestations include, change of colour, weakening of grouts or loss of chemical resistance.

PROTECTION OF SURFACE AND TIME TO TRAFFIC



ITEM	TIME		
	4°C	21°C	35°C
Working Time	120 minutes	80 minutes	30 minutes
Tack Free Time	12 hours	4 hours	2 hours
Ready for Light Foot Traffic	24 hours	12 hours	6 hours
Ready for Heavy Foot Traffic	48 hours	24 hours	12 hours
Stain Resistance, Food Spills, Household Cleaners	14 days	7 days	2 days
Full Cure	28 days	14 days	7 days

Note: Do not cover with moisture vapour blocking covers like polyethylene till grout is cured.

CAUTIONS (See SDS)

NOTE: Always use protective clothing (gloves, long sleeve shirt and safety glasses) when working with epoxy 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 WorkSafe approved dust respirator in dusty areas. For more information consult the SDS 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.

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. Contact the cleaner manufacturer if another cleaner type will be used to ensure compatibility with the grout.

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.

WARNING: This product may cause skin sensitization. Avoid skin contact. Wear gloves when using this product.

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