



SPECTRALOCK PRO Grout

How to Grout

TDS 1007

Easy to install, Easy to Clean. SPECTRALOCK PRO can be used for interior and exterior installations.

BEFORE YOU BEGIN

- Follow adhesive manufacturer's recommendations for minimum cure time prior to grouting.
- SPECTRALOCK Pro Grout is a sanded grout. Use of sanded grouts in joints less than 3mm 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.

READ THOROUGHLY BEFORE STARTING

SPECTRALOCK PRO Grout installs quickly.

Ensure the following items are on the jobsite before grouting.

PREPARATION AND INSTALLATION TOOLS

- Broom/vacuum to remove debris
- Utility knife (remove excess adhesive in joints and open A & 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

STORAGE

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

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.

- Ensure the tile bedding and background layer is dry before grouting.
- SPECTRALOCK PRO Grout, as well as other sanded grouts, may "scratch" glass tiles, soft or polished marble and stone, soft glazed and hand-made 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 stone (such as White Carrara, White Thasos, Royal Danby, etc.) Verify results with a test area.
- 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 4°C 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 room temperatures. Warmer climates for example will shorten working time, while colder climates will extend working time.

MIXING

- Cut open Part A and B pouches and pour the liquids (A first, then B) into a clean pail. Make sure to squeeze all the liquids out of the pouches. Note: Fold in half and roll up like a toothpaste tube or lay folded pouch against the side of the pail and work material down with a trowel.
- 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 mixer (<300 RPM). The SPECTRALOCK PRO 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) 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 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 all surfaces are cleaned, allow to dry thoroughly before grouting.
- Spread grout using a sharp edged, firm epoxy rubber 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, stroking diagonally to avoid pulling grout out the filled joints.

INITIAL WASH

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

- Once grout has been spread, wait 20-30 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 ever 5m² 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

- If grout bleeds or sags out of joint, stop immediately and wait an additional 15 minutes for grout to firm up before washing or you may add more Part C Colour powder if you held some back.
- Instead of sponge, the use of a damp, well wrung, folded terry cloth towel can be helpful to remove excess grout while smoothing joints less than 3mm on walls. Use light pressure when using folded terry cloth towel.
- Certain tiles clean up more easily than others, so be sure to rinse sponge frequently, checking your work as you progress.

FINAL INSPECTION & 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 fully.
- Follow the same process as the initial was but use a 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 surface to remove froth and residue. Use each side of sponge only once before rinsing and change water and cleaning additive mixture at least every 5m² 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 8 litres of clean water and 120ml 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, SPECTRALOCK PRO 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.
- Protect finished surface from traffic for at least 12 hours at 21°C.
- Do not expose grout to acid cleaners for 7 days.

Protection of Surface Time to Traffic at 21°C.

Item	Time		
	4°C	21°C	35°C
Working Time	120 min	80 min	30 min
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

CAUTIONS

Note: Always use protective clothing (gloves, long sleeve shirt and safety glasses) when working with epoxy SPECTRALOCK PRO Grout. For more information consult the MSDS for this product. KEEP OUT OF THE 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. For more information consult the MSDS for this product. KEEP OUT OF THE 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 an approved dust respirator to AS1716 in dusty areas. For more information consult the MSDS for this product. KEEP OUT OF THE 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. For more information consult the MSDS for this product. KEEP OUT OF THE REACH OF CHILDREN.

LATICRETE Pty Ltd - 29 Telford Street, Virginia, QLD 4014 Australia
1800 331 012 • technicalsupport@laticrete.com.au • www.laticrete.com.au

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