



LATASIL™

LATASIL™ sealant is a high performance, one component, neutral cure, 100% silicone sealant designed for ceramic tile and stone applications.

Globally Proven Construction Solutions



Contractor: Sam Gardner Tiling
Photographer: Manuele Rinaldi



FEATURES/BENEFITS

- Conforms to the following properties under ASTM C-920: Type S, Grade NS, Class 25, Use NT, Use I, Use M, Use G.
- Conforms to ASTM C-794 Adhesion Properties.
- Equipped with fungicides to resist mould and mildew growth.
- Resistant to pool chemicals.
- Easy to smooth and tool.
- Excellent for masonry construction.
- Excellent movement capacity — 25% extension and compression.
- Can be used where ceramic tile abuts glass and window framing.
- Compliments LATAPOXY® 310 Stone Adhesive system.

PACKAGING/COLOUR

- 305 ml cartridge; 6 cartridges per carton; 240 cartons per pallet
- Contact LATICRETE for available colours

USES

- Exterior and interior use.
- Swimming pools and other wet area applications.
- Joints for ceramic tile & stone applications.
- Expansion joints in residential and commercial applications.

SUITABLE SUBSTRATES

- Stone
- Glass
- Metal/steel
- Ceramic tile
- Masonry surfaces
- Wood and plastic surfaces

ACCESSORY PRODUCTS

- LATASIL 9118 Primer 0.47 litre jar; 5 per carton

MANUFACTURER

LATICRETE New Zealand
3 /118 Asquith Avenue, Mt. Albert,
Auckland, 1023, New Zealand

Telephone: +64 9 394 1900
Internet: nz.laticrete.com

Approximate Coverage

Coverage will vary depending upon joint size and width.

- 3.35 m at 9 mm x 9 mm joint width
- 7.62 m at 6 mm x 6 mm joint width

Shelf Life

When stored in the original, unopened containers at or below 32°C, LATASIL sealant has a 18 month shelf life.

Limitations

- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproofing membranes. When a waterproofing membrane is required, use a LATICRETE Waterproofing Membrane.
- A test area should be conducted when used with stone. Test sealant on small area to verify results.
- Use LATASIL 9118 Primer for porous stone and tile and for wet area applications. Conduct a test area to verify results.
- Not for use in applications where physical abuse or abrasion is likely.
- Do not use on or adjacent to building materials that may bleed oils, plasticisers or solvent materials such as impregnated wood, oil based caulks, green or partially vulcanised rubber gaskets or tapes.
- For stone installations, test a small area to check for any fluid migration and to verify results.
- Not a structural glazing adhesive.
- Joint depth should not exceed 12 mm thickness (use backer rod for deeper joints).
- Joint width should not exceed 25 mm and be narrower than 3 mm.
- Do not use in movement joints greater than 25mm wide or narrower than 6mm
- For perimeter sealing or expansion joint design, the ratio of the joint width to sealant depth should be roughly 2:1.
- Cannot be painted.

Cautions

- Consult SDS for more safety information.
- Protect finished work from traffic and exposure to water until fully cured, generally 24 hours at 21°C.
- Sealant must cure a minimum of 4 days at 21°C and 50% R.H. prior to exposing to continuous water submersion.
- However, the other tile/stone installation materials (e.g. mortars, membranes, grouts) must cure a minimum of 14 days at 21°C and 50% R.H. prior to exposing to continuous water submersion.
- Maintain surface temperature between 4°C and 32°C during installation and for 24 hours thereafter.
- Uncured sealant may irritate eyes if contact is made. Avoid contact with sealant until cured.
- Keep out of reach of children.
- If uncured sealant comes in contact with skin, wash with soap and water immediately.
- Always use LATASIL™ with adequate ventilation and avoid prolonged breathing of vapour and prolonged skin contact.

TECHNICAL DATA

Applicable Standard

Adhesion performance according to ASTM C-794. Conforms to ASTM C-920 Sealant classification.

Physical Properties

Service Temperature Range	-40°C to +177°C
Sag or Slump	None
Tack Free Time at 25°C and 50% R.H.	17 minutes
Tooling Time	7 – 10 minutes
Durometer Hardness – Shore A	27
Tensile Strength	1.9 MPa
Dynamic Joint Movement	+/-25%
Weatherability, 10,000 hours QUV Weatherometre	No Change

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.

INSTALLATIONS

Preparation

Clean all joints and surfaces to receive sealant, removing all foreign matter and contaminants such as grease, oil, dust, water, frost, surface dirt, old sealants and protective coatings. Metal, glass and plastic surfaces should be cleaned by mechanical or solvent procedures. Simple detergent or soap and water treatments are not acceptable. In all cases where utilised, solvents should be wiped on and off with clean, oil and lint free cloths.

When using any solvent always follow solvent manufacturer's safety, handling and installation recommendations.

Application

Substrates For Priming

- Use LATASIL 9118 Primer for these substrates:
- Stainless steel
- Sandstone
- Metal
- Limestone (or other porous stones)
- PVC
- Fiber reinforced cement

* Subject to testing and approval by LATICRETE. Actual stone samples to be provided for testing

Swimming Pool Application

- Use LATASIL 9118 Primer for all permanent wet area applications.
- For underwater or continuous wet area applications, polyethylene foam backer rod is recommended. Use polyethylene bond breaker tape on joints too shallow to accommodate foam rod. Polyethylene backer rod is "closed cell" which is water repellent.

General Installation Instructions

- Use polyurethane or polyethylene foam backer rod for deep joints. Use polyethylene bond breaker tape on joints too shallow to accommodate foam rod. These materials allow the silicone to stretch freely with joint movement.
- Apply masking tape to the face of the veneer. Masking tape will allow for easier removal of sealant if it comes into contact with the face of the veneer. Sealant should only be applied into the joints, adhering to the flanks of the veneer. Applying the masking tape results in a cleaner look, and allows for easy tooling without affecting the face of the veneer.
- Apply sealant into the joint, filling completely.
- Finish joints with a "Jointing Tool" when complete (within 5 – 7 minutes) for a smooth professional finish. Proper tooling of the sealant ensures contact with the joint flanks.
- Remove masking tape immediately after tooling. Wipe any sealant off the face of the veneer immediately.

Cleaning

Cured joints should be cleaned regularly with a neutral pH cleaner.

AVAILABILITY AND COST

Availability

LATICRETE and LATAPOXY® materials are available worldwide.

For Distributor information:

Telephone: +64 9 394 1900

For online distributor information, visit LATICRETE at nz.laticrete.com

Cost

Contact a LATICRETE Distributor in your area.

MAINTENANCE

Immersed installations and swimming pools – Inspect LATASIL installations every 3 years or more frequently depending on service conditions & chemical exposure. Remove and replace LATASIL as required to keep joints functional.

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.

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.

TECHNICAL SERVICES

Technical assistance

Information is available by calling:

Telephone: +64 9 394 1900

Technical and safety literature

To acquire technical and safety literature, please visit our website at nz.laticrete.com

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.
- Efflorescence is a normal condition of Portland cement and is not covered by any warranty. The use of LATAPOXY 310 Stone Adhesive, LATAPOXY 300 Adhesive, SPECTRALOCK® PRO Premium Grout¹ and SPECTRALOCK 2000 IG will not contribute to any noticeable efflorescence.

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¹ United States Patent No.: 6,881,768 (and other Patents).