



LATASIL™

DS-6200.1-0714

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

LATASIL™

2. MANUFACTURER

LATICRETE International, Inc.
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3. PRODUCT DESCRIPTION

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

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

Advantages

- 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 anti-microbial technology
- Resistant to pool chemicals
- Matches top 19 LATICRETE grout colors and clear
- Easy to smooth and tool
- Excellent for masonry construction
- Excellent movement capacity—25% extension & compression
- Can be used where ceramic tile abuts glass and window framing

- Compliments LATAPOXY® 310 Stone Adhesive system (see section 10. FILING SYSTEMS)

Suitable Substrates

- Stone
- Glass
- Metal/Steel
- Ceramic Tile
- Masonry Surfaces
- Wood and Plastic Surfaces

Available Colors

6200 Clear	6217 Marble Beige
6222 Midnight Black	6223 Antique White
6224 Natural Grey	6230 Sand Beige
6235 Mocha	6239 Mushroom
6240 Latte	6242 Platinum
6244 Bright White	6250 Sea Glass
6252 Toasted Almond	6255 Tawny
6256 Desert Khaki	6257 Hot Cocoa
6258 Terra Cotta	6259 Espresso
6260 Dusty Grey	6261 Parchment
6266 Chestnut Brown	6267 Autumn Green
6278 Sterling Silver	6289 Smoke Grey
6285 Almond	6288 Silver Shadow

Packaging

Available in 10.3 oz (305 ml) cartridges; 6 tubes per carton.

Accessory Products

LATASIL 9118 Primer—one pint (.47 L) jar,
5 pints (.47 l) per carton.

Approximate Coverage

Coverage will vary depending upon joint size and width.

Approximately 11 lineal feet (3.35 m) per tube at 3/8" by 3/8" (9 mm x 9 mm) joint width.

Approximately 25 lineal feet (7.62 m) per tube at 1/4" by 1/4" (6 mm x 6 mm) joint width.

Shelf Life

When stored in the original, unopened containers at or below 90°F (32°C), LATASIL™ sealant has a 12 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 (see Section 10 FILING SYSTEMS).
- 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, plasticizers or solvent materials such as impregnated wood, oil based caulks, green or partially vulcanized 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 1/2" (12 mm) thickness (use backer rod for deeper joints).
- Joint width should not exceed 1" (25 mm) and be narrower than 1/8" (3 mm).
- 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 MSDS for more safety information.

- Protect finished work from traffic and exposure to water until fully cured, generally 24 hours at 70°F (21°C).
- Sealant must cure a minimum of 4 days at 70°F (21°C)/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 70°F (21°C)/50% R.H. prior to exposing to continuous water submersion.
- Maintain surface temperature between 40°F (4°C) and 90°F (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 vapor and prolonged skin contact.

4. TECHNICAL DATA

Applicable Standard

Adhesion performance according to ASTM C-794.

Conforms to ASTM C-920 Sealant classification.

Physical Properties

Service Temperature Range	-40°F (40°C) to +350°F (177°C)
Sag or Slump	None
Tack Free Time at 77°F (25°C), 50% RH	17 Minutes
Tooling Time	7-10 Minutes
Durometer Hardness-Shore A	27
Tensile Strength	280 psi (1.9 Mpa)
Dynamic Joint Movement	+/-25%
Weatherability, 10,000 hours QUV Weatherometer	No Change

5. INSTALLATION

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 utilized, 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. 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.

6. AVAILABILITY AND COST

Availability

LATICRETE® and LATAPOXY® materials are available worldwide.

For Distributor Information, Call:

Toll Free: 1.800.243.4788

Telephone: +1.203.393.0010

For on-line Distributor information, visit LATICRETE at

www.laticrete.com.

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM

DS 230.13: LATICRETE Product Warranty

A component of:

DS 230.05: LATICRETE 5 Year System Warranty (United States and Canada)

DS 230.15: LATICRETE 15 Year System Warranty (United States and Canada)

DS 025.0: LATICRETE 25 Year System Warranty (United States and Canada)

DS 230.99: LATICRETE Lifetime System Warranty (United States and Canada)

8. MAINTENANCE

Joints should be cleaned regularly with neutral pH cleaners.

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling the LATICRETE Technical Service

Hotline:

Toll Free: 1.800.243.4788, ext. 235

Telephone: +1.203.393.0010, ext. 235

Fax: +1.203.393.1948

Technical and Safety Literature

To acquire technical and safety literature, please visit our website at

www.laticrete.com.

10. FILING SYSTEM

Additional product information is available on our website at

www.laticrete.com. The following is a list of related documents:

DS 230.13: LATICRETE Product Warranty

DS 230.05: LATICRETE 5 Year System Warranty (United States and Canada)

DS 230.15: LATICRETE 15 Year System Warranty (United States and Canada)

DS 025.0: LATICRETE 25 Year System Warranty (United States and Canada)

DS 230.99: LATICRETE Lifetime System Warranty (United States and Canada)

DS 236.0: 9235 Waterproofing Membrane

DS 661.0: MVIS Air & Water Barrier

DS 663.0: HYDRO BAN®

DS 679.0: LATAPOXY 310 Stone Adhesive

DS 6528.1: LATASIL™ 9118 Primer

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