

1. PRODUCT NAME

LATICRETE® Latasil Tile and Stone Sealant

2. MANUFACTURER

LATICRETE International, Inc.
 1 LATICRETE Park North
 Bethany, CT 06524-3423 USA
 Telephone: (203) 393-0010 ext. 235
 Toll Free: (800) 243-4788 ext. 235
 Fax: (203) 393-1684
 Internet: www.laticrete.com

3. PRODUCT DESCRIPTION

LATICRETE Latasil Tile and Stone Sealant is a high performance one component neutral cure silicone sealant designed for exterior and interior applications for ceramic tile & stone applications. In addition, LATICRETE Latasil Tile and Stone Sealant can be used in swimming pools and other various wet area applications.

Uses

- Exterior/ 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 ASTM C-920 and ASTM C-794 adhesion properties.
- Equipped with fungicides to resist mold & mildew growth.
- Resistant to pool chemicals.
- Matches top 15 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 sec. 10. Filing Systems)

Suitable Substrates

- Stone
- Glass
- Metals
- Ceramic Tile
- Masonry Surfaces
- Wood/plastic surfaces

Available Colors

6200 Clear	6222 Midnight Black	6223 Antique White
6224 Natural Grey	6230 Sand Beige	6235 Mocha
6242 Platinum	6244 Bright White	6261 Parchment
6246 Quarry Red	6239 Mushroom	6285 Almond
6278 Sterling Silver	6288 Silver Shadow	6292 Saltillo

Packaging

- Available in 10.3 oz (305 ml) cartridges
- Packed 6 tubes per carton

Accessory Products

- LATICRETE Latasil 9118 Swimming Pool Primer- one pint (.47ℓ) per jar, 6 pints (.47ℓ) per carton.
- LATICRETE Latasil 9102 Stone Primer- one pint (.47ℓ) per jar, 6 pints (.47ℓ) per carton.

Approximate Coverage

- Coverage will vary depending upon joint size and width.
- Approximately 11 lineal feet (3.35m) per tube at 3/8" by 3/8" (9mm x 9mm) joint width.
- Approximately 25 lineal feet (7.62m) per tube at 1/4" by 1/4" (6mm x 6mm) joint width.

Shelf Life

When stored in the original, unopened containers at or below 90°F (32°C); LATICRETE Latasil Tile and Stone Sealant has a 12 month shelf life.

Limitations

- 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 a LATICRETE Waterproof Membrane (see Section 10 Filing Systems).
- A test area should be conducted when used with stone. Test sealant on small area to verify results.
- Not for use in applications where physical abuse or abrasion is likely.
- Do not use on surfaces that will be painted.
- 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.
- Not a structural glazing adhesive.
- Joint depth should not exceed 1/2" (12mm) thickness (use backer rod for deeper joints).
- Joint width should not exceed 1" (25mm).
- Joint width should not be narrower than 1/8" (3mm).
- For perimeter sealing or expansion joint design, the ratio of the joint width to sealant depth should be roughly 2:1.

Cautions

Consult MSDS for more safety information.

- Protect finished work from traffic until fully cured. Generally 24 hours at 70°F (21°C)
- Sealant 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 contact of uncured sealant is made on skin, wash with soap and water immediately.
- Always use LATICRETE Latasil Tile and Stone Sealant 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

LATICRETE® Latasil Tile and Stone Sealant is designed to meet the requirements of TT-S-001543A, TT-S-00230C, CAN2-19, 13-M82, AAMA 808.3-92, 805.2-92, 803.3-92 TYPE 1, 802.3-93 TYPE II.

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	40 Minutes
Tooling time	7-10 minutes
Durometer Hardness-Shore A	25
Tensile Strength	225psi (1.6MPa)
Dynamic joint movement	+/-25%
Weatherability, 10,000 hours QUV weather-ometer	No change

Chemical Resistance* Chart			
Chemical Name	Continuous Exposure	Inter-mittent Exposure	Splash Exposure
Food Acids			
Lactic to 10 %	R	R	R
Acetic to 10%	R	R	R
Formic to 5 %	R	R	R
Citric to 50%	R	R	R
Tartaric to 50%	R	R	R
Tannic to 50%	R	R	R
Oleic to 100%	R	R	R
Phosphoric to 80%	NR	NR	R
Mineral Acids			
Hydroflouric acid** 10%	NR	NR	NR
Sulfuric to 50%**	NR	NR	NR
Nitric to 30%**	NR	NR	NR
Hydrochloric to** 36.5%	NR	NR	NR
Corrosive Cleaners			
Sodium Hypochlorite** (Bleach) 3%	R	R	R
Sodium Hydroxide (Saturated)	NR	NR	NR
Solvents			
Xylene	R	R	R
Ethyl Alcohol	R	R	R
Mineral Spirits	R	R	R
Toluene	R	R	R
Methylene Chloride	NR	NR	NR
Gasoline	NR	NR	R

*Chemical Resistance defined as:

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 C267-1999.

** Long Exposure will cause color 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.

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.
- For stone installations; test a small area to check for any fluid migration and to verify results.

Application

Substrates For Priming

(Use LATICRETE Latasil 9102 Stone Primer for these substrates)

- Stainless Steel
- Limestone (or other porous stones)
- Sandstone
- PVC
- Metal
- Fiber Reinforced Cement

Swimming pool application:

- Use LATICRETE Latasil 9118 Swimming Pool Primer for all permanent wet area applications
- For underwater or continuous wet area applications, polyethylene foam backer rod is recommended. Use polyethylene 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 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.
- Remove masking tape immediately after tooling. Wipe any sealant off the face of the veneer immediately.

Cleaning

Cured Joints should be cleaned regularly with neutral pH cleaners.

6. AVAILABILITY AND COST

Availability

LATICRETE® and LATAPOXY® materials are available worldwide. For distributor information:

Toll Free: (800) 243-4788

Telephone: (203) 393-0015

www.laticrete.com.

Cost

Contact a LATICRETE LATAPOXY Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM

8. MAINTENANCE

Joints should be cleaned regularly with neutral pH cleaners.

9. TECHNICAL SERVICES

Technical assistance

Information is available by calling:

Toll Free: (800) 243-4788 ext. 235

Telephone: (203) 393-0015 ext. 235

FAX: (203) 393-1948

Technical and safety literature is available at our web site 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 236.0 LATICRETE 9235 Waterproofing Membrane

DS 679.0 LATAPOXY 310 Stone Adhesive

DS 6524.1 LATICRETE Latasil 9102 Stone Primer

DS 6526.1 LATICRETE Latasil 9118 Swimming Pool Primer

DS 230.13 LATICRETE Product Warranty

DS 230.12 LATICRETE 10 Year System Warranty

DS 230.14 LATICRETE 15 Year Residential Warranty

DS 700.12 LATICRETE Lifetime Residential Warranty



**Globally proven.
Professionally endorsed.**

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1 LATICRETE PARK NORTH • BETHANY, CT 06524-3423 USA

TEL: (203) 393-0010 • (800) 243-4788 • FAX: (203) 393-1604

www.laticrete.com • support@laticrete.com

Middle East: (971) (7) 244-6386 • **China:** (86) (21) 6497-2345

Asia Pacific: (852) 2526-6660 • **Europe:** (34) (95) 649-1908

Latin America: (1) (203) 393-0010 • **India:** (91) (43) 2337-8776

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