LATASIL™

DS-110-0524

Globally Proven Construction Solutions

1. PRODUCT NAME
LATASIL™

2. MANUFACTURER
LATICRETE EUROPE S.r.l.
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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
- For exterior and interior use.
- Swimming pool sealant, in combination with appropriate primer.
- Natural stone sealant for highly absorbent stone types and other porous surfaces, such as marble, granite, hard stone, sand-lime brick, concrete, masonry and untreated wood.
- Sanitary sealant in sanitary spaces and other spaces with plumbing fixtures, such as bathrooms, toilet rooms, kitchens, saunas, laundry rooms, washing rooms, steam rooms, slaughterhouses and cold storage units/appliances.
- Can be used for building and façade components, such as windows, door and window frames, sections, panels, boards, mouldings, profiles and prefab parts made from concrete, stone, masonry, metal, glass, wood, coated and anodised aluminium, stainless steel, plastic, PVC and composite.
- Antibacterial sealant, for air and climate control systems, cold storage units and cleanrooms, such as sterile, laboratory, hospital, hygienic, pharmaceutical, food and other critical spaces.
- Mirror adhesive/sealant for stainless mirror adhesion and sealing.
- Repair compound for repair of old silicone joints in construction, glass, sanitary spaces, façades, natural stone, swimming pools and more.

Advantages
- Versatile, all-in-one sealant – good for natural stone, sanitary spaces, swimming pools, façades, cold storage units, cleanrooms, and more
- Superior adhesion and compatibility, especially to metals and glass
- Antimicrobial & fungicidal – inhibits growth of bacteria, mould and mildew on sealant joint
- Very low VOC emissions – better indoor air quality
- Neutral, low-odour, non-shrink and acid-free curing, CE-certified silicone system
- Easy to smooth and tool
- Excellent weatherability, resistance to ageing, UV radiation and chemicals
- Excellent temperature resistance: -60°C to +180°C
- Excellent movement capacity — 25% movement capability
- Can be used where ceramic tile abuts glass and window framing

Suitable Substrates
- Tile
- Marble
- Granite
- Natural Stone
- Glass
- Metal
- Aluminum
- Stainless Steel
- Wood
- Brick
- Concrete

Packaging
310 ml cartridges (12 cartridges / box)

Shelf Life
One year shelf life Factory Sealed containers of this product are guaranteed to be of first quality for 12 months if stored in dry area at temperature between 35°F–80°F (2°C – 27°C).

Limitations
- DO NOT use for aquarium applications.
- DO NOT use for PE, PP, PTFE, neoprene or bituminous surfaces. Discolouration may occur under certain conditions, such as due to direct contact with chemicals, applications in dark rooms/spaces or release of plasticiser from the surface.
- Ensure adequate humidity in the immediate environment.
- Use appropriate primer for wet area and submerged applications. Conduct a test area to verify results.
- A test area should be conducted when used with stone. Test sealant on small area 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.
- For perimeter sealing or expansion joint design, the ratio of the joint width to sealant depth should be roughly 2:1.
- LATASIL cannot be painted.
- 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.

Cautions
Consult SDS for 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/50% R.H. prior to exposing to continuous water submersion.
- Maintain surface temperature between +5°C and 40°C during installation and for 24 hours thereafter.
- Avoid long-term contact with skin. If uncured material gets in your eyes, rinse out thoroughly with plenty of water and consult a physician.
- Use in well ventilated spaces and/or locations.
- Keep out of reach of children.
- If uncured sealant comes in contact with skin, wash with soap and water immediately.

4. TECHNICAL DATA

VOC/LEED Product Information
Directive 2010/75/EU (VOC): 3,84%
- Émissions dans l'air intérieur: A+
- GEV EMICODE EC1 Plus

Applicable Standard
- EN 15651-1: F-EXT-INT-CC 25LM
- EN 15651-2: G-CC 25LM
- EN 15651-3: S-XS1
- EN 15651-4: PW-EXT-INT-CC 25LM

Physical Properties

Basis	SILICONE OXIME
Viscosity (ISO 7390)	<2 mm
Skin Formation Time	10-15 min.
Cures in 24 hours	2 mm
Contraction	None
Permissible Deformation	25%
Temperature Resistance (Once Cured)	-60 to + 180 °C
Mechanical Values	2mm film
Shore A Hardness (DIN 53505)	28
Modulus at 100% (DIN 53504)	0.35 MPa
Tensile Strength (DIN 53504)	1.40 MPa
Stretch at Breaking Point (DIN 53504)	500%

(at 23°C/55% RH)

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
Surface Preparation
Application temperature between a minimum of +5°C and a maximum of +40°C. To obtain maximum adhesion, the surfaces and joints must be dry and clean; degreasing solvents can be used to remove grease or oil. Ensure proper joint dimensions, for proper absorption of any movements.

The sealant cannot be painted over. We recommend taping off joint edges to prevent silicone contamination on unpainted adjacent surfaces.

Submerged applications should be pre-treated with an appropriate primer; contact Technical Services for details.

Application
A test should be conducted to verify adhesion and material compatibility before application.

For perimeter joints, use POLYPROFIL by inserting strip into the joint. POLYPROFIL strip must be twice the size of the joint width and inserted deep enough so that the void space (to be filled with sealant) is not greater than the joint width.

Sealant should only be applied into the joints, adhering to the flanks of the veneer. Taping off joint edges beforehand 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" within 5-10 minutes of application for a smooth professional finish. Proper tooling of the sealant ensures contact with the joint flanks. Remove tape immediately after tooling. Wipe any sealant off the face of the veneer immediately.

Cleaning
Cured material must be removed mechanically. Cured joints should be cleaned regularly with a neutral pH cleaner.

6. AVAILABILITY AND COST
Availability
LATICRETE® materials are available worldwide. For distributor information, please contact LATICRETE EUROPE S.r.l.:
   +39 059557680
   info@laticreteeurope.com

For on-line distributor information, visit www.laticrete.eu.

Cost
Contact LATICRETE EUROPE S.r.l to obtain complete information and cost.

7. WARRANTY
The supplier warrants that the product will not deteriorate under normal conditions and use. The warranty validity of one (1) year. Contact Technical Services for further information. See 10. FILING SYSTEM:

- DS230.13EU: 1 Year Product Warranty (EN)
- DS 230.10EU: 5-10-15 Years System Warranty (EN)

8. MAINTENANCE
LATICRETE® and LATAPOXY® are products of high quality designed to achieve lasting installations and avoid maintenance, however performance and durability may depend on properly maintaining products, depending of the cleaning products used.

9. TECHNICAL SERVICES
Technical Assistance
Information is available by calling or emailing the Technical Service Hotline:
   +39 059557680
   technicalservices@laticreteeurope.com

Technical and Safety Literature
To obtain technical and safety literature, please visit our website at www.laticrete.eu.

Warning
The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® is unable to directly control the installation methods and conditions of products and does not assume any liability arising from their implementation. Those who want to use LATICRETE® products should conduct adequate tests to determine the site specifications. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation method and site conditions.

LATICRETE® products are covered by a warranty within the limits of what is established by our general conditions of sale and within the limits of correspondence related to technical specifications and applicable certifications, as expressly indicated in the product data sheets, documentation, or applicable technical documentation.

10. FILING SYSTEM
Additional product information is available on our website at laticrete.eu.