



LATASIL™ AC

DS-111-1024

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

LATASIL™ AC

2. MANUFACTURER

LATICRETE EUROPE S.r.l. a socio unico

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3. PRODUCT DESCRIPTION

Silicone sealant with acetic curing, low module, bactericide and fungicide, for ceramic tiles and bathroom fixtures.

Uses

- For indoor use
- To seal flexible expansion joints in floors and coatings and in changes of orientation between floors (wall-floor).
- To seal joints between bathroom fixtures and tiles, between tiles and shower trays, between tiles and pipes and between tiles and door and window frames.
- To seal glass windows, for high strength sealing in industrial and sanitary settings.

- Hygienic sealant in wash rooms and wet areas such as bathrooms, toilets, saunas, laundries, steam cabins, slaughterhouses, cold storage rooms.
- To seal compact and non-porous materials used in construction and in the healthcare field such as glass, ceramic tiles, porcelain stoneware, clinker, aluminium, anodised aluminium, treated or impregnated wood.
- The product is fit for outdoor use, but as a result of the electrostatic effect atmospheric powder and smog may accumulate on the surface.

Advantages

- High performance and superior adhesion, especially on ceramic tiles, porcelain stoneware and glass.
- Antimicrobial and fungicidal – inhibits the onset of mould and growth of bacteria.
- Acetic curing, low odour, solvent free, CE certified product.
- Good adhesion even on plastic or painted surfaces; it is however recommended to carry out preliminary adhesion tests outside the work.
- Easy to use, soft consistency for fast extrusion and optimal smoothing.
- Waterproof, resistance to weathering, ageing, chemicals and chlorine.
- Temperature resistance: -40°C to +150°C
- Elastic — 25% capacity for movement
- Can be used for sealing between tiles and window frames.
- Available in 30 LATICRETE colours including transparent.

Permitted backings

- Ceramic tiles
- Porcelain stoneware
- Clinker
- Glass
- Metal
- Aluminium
- Steel
- Treated or impregnated wood
- Ceramic bathroom fixtures

Packages

Cartridge of 310 ml, box of 12 pieces

Shelf life

Twenty-four (24) months in closed original packing raised off the ground in a cool, dry place.

Limitations

- Do not use in swimming pools, for aquariums, for immersed sealing.
- Do not use in contact with marble, granite, natural stone, untreated wood, porous and absorbent materials PE, PP, PTFE.
- Colouring can change in contact with elastomers such as EPM, EPDM and Neoprene.
- Not recommended on untreated metal surfaces subject to corrosion.
- This product cannot be painted over.
- The width of the joint must not exceed 25 mm and must not be any less than 5 mm.
- For sealing expansion joints the ratio between the width of the joint and the depth needs to be approximately 2:1. Adhesives, mortars, sealants and grouts for ceramic tiles, flooring and stone are not designed to replace waterproof membranes. When a waterproof barrier is needed, use a LATICRETE® waterproofing membrane.

Warnings

- For additional information please refer to the product safety data sheets.
- The applied materials must be protected from rain and foot traffic for 24 hours after installation (at 23°C).
- All the surfaces must be between 5°C and 35°C during application and in the 24 hours following installation.
- Avoid protracted exposure to skin.
- While working and during setting, it is necessary to ensure good ventilation.
- Keep well out of the reach of children.

4. TECHNICAL DATA

Standard

- EN 15651-1: F-EXT-INT-CC Class 25LM
- EN 15651-2: G-CC Class 25LM
- EN 15651-3: S Class XS1

Physical properties

Density at 25°C	~1.0 g/cm ³
Sag (ISO 7390, U20):	Negative
Curing time	~20 min.
Curing speed	~3 mm/24h
Tensile strength (ISO 8339)	~0.7 N/mm ²
Extension to break (ISO 8339)	~250%
E-module 100% (ISO 8339)	~0.4 N/mm ²
SHORE A hardness (ISO 8339)	~20°
Movement capability (ISO 11600)	25%
Tear strength (ISO 34, c)	4.5 N/mm ²
Application temperature	From +5°C to +35°C
Working temperature	From -40°C to +150°C

(23°C, 50% R.H.)

These technical data were measured in standard laboratory conditions and may be subject to change without notice.

The actual performance of the product depends on the applicative conditions of the site, the method of installation used and the type of coating.

5. APPLICATION

Preparing the backings

In order to obtain the highest performance in terms of adhesion, the surfaces affected (bottom of the joint and side surfaces) need to be dry and clean; especially for removing grease, it is possible to use degreasing solvents.

Apply the masking tape on the backing to prevent soiling it during application. Applying the masking tape makes for easy work with tools, without soiling the surface of the backing.

Application

It is always advisable to make a mock-up to confirm adhesion and compatibility.

In the case of fractionation joints, it is recommended to proceed as follows: insert the bead of POLYPROFIL into the joint.

The bead has to be twice the width of the joint and must be inserted to a depth that leaves a gap for filling with sealant no greater than the width of the joint. The sealant has to be applied, compressed and made to penetrate deeply into the joint in order to aid optimal adhesion.

Smooth the joints with a mix of water and neutral soap. Remove the protective tape immediately afterwards. Immediately remove any smears on the surfaces unrelated to the joint with white spirit.

Cleaning

Residues of hardened sealant have to be removed mechanically. Polymerised joints have to be duly cleaned with a neutral pH cleaner.

6. AVAILABILITY AND COSTS

Availability

LATICRETE® products are available worldwide. To know the name of your nearest dealer, contact LATICRETE EUROPE S.r.l.

+39 059 535540

info@laticreteurope.com

www.laticrete.eu

Costs

Contact your nearest LATICRETE EUROPE S.r.l. product dealer to obtain full information about the costs.

7. WARRANTY

The vendor guarantees that the product will not deteriorate under normal conditions of use. Warranty is valid for one (1) year. Contact Technical Services for additional information.

DOCUMENTATION:

- DS230.13EU: 1 year of product warranty
- DS 230.10EU: 5-10-15 years of product system warranty

8. MAINTENANCE

LATICRETE® and LATAPOXY® products are high-quality products designed to make long-lasting, maintenance-free installations. The duration and performance strictly depend on the type of products used for cleaning.

9. TECHNICAL SERVICES

Technical support

For information, contact Technical Service:

+39 059 535540

technicalservices@laticreteurope.com

Technical and safety related literature

To obtain technical and safety related literature, visit our website: www.laticrete.eu.

Warnings

The information and instructions given in this Technical Data Sheet, although based on knowledge acquired over years of applications, are to be considered merely as a guide. LATICRETE®, not being able to control the product installation conditions and application methods directly, cannot be held liable for anything deriving from their installation. Anyone wishing to use LATICRETE® products must perform appropriate site tests to determine suitability for the intended use.

Our products are covered by warranty within the limits of our general conditions of sale and within the limits of the correspondence of our products with the technical specifications and applicable certifications, as explicitly stated on the technical data sheets or in the applicable technical documentation expressly supplied by us with the products themselves.

10. DOCUMENTATION

Further information about the product is available on our Website laticrete.eu.