



**Globally Proven  
Construction Solutions**

# LATALASTIK

Epoxy-Polyurethane Adhesive LATALASTIK is a two-component epoxy-polyurethane adhesive modified for installation of ceramic, mosaic and stone when high adhesion and flexibility is required. LATALASTIK is designed for the installation of marble, stone and agglomerate subjected to bending for absorption of water. Can be used on porous supports, non-absorbent and smooth (cement substrates, wood, metal, ceramic and stone) giving a long life to the floors and covering even if they are subject to the deformation that traditional cement adhesive does not compensate.



## MAIN FEATURES

- High adhesion and flexibility
- Non slip
- Contain no solvents
- Does not cause deformation of material sensitive to water

## FIELD OF APPLICATION

- Installation of agglomerate and natural stone subject to deformation by water absorption
- Installation of ceramic and stone material over supports subject to vibrations and thermal expansion
- Waterproofing and installation of tiles and mosaic in shower and semi-finished bathroom

## MANUFACTURER

LATICRETE EUROPE S.R.L.

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## CERTIFICATIONS

### Suitable Substrate

- Concrete
- Cement screeds and plasters
- Heating flooring
- Masonry
- Ceramic and stone
- Wood and plywood panels\*
- Cement and plasterboards\*
- Metal\*\*

\* Interior use only.

\*\* The surfaces must be free of oils, from release agents, rust, oxides and any contaminant that might compromise adhesion. Consult Technical Service LATICRETE prior to the installation.

### Packaging

Pails of 5 kg of Part A and 2 kg of Part B

### Shelf life

Twenty-four (24) months from the date of production when kept in the original packaging perfectly sealed in a place cool and dry.

### Limitations

- The best performances is reached after 7 days at 23°C and 50% U.R.
- Note: Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile, thin brick and similar finishes and impact loads, including concentrated loads expected during the installation.
- DO NOT use partial quantity of product. Mix all part A and part B.
- The adhesive is flexible and the installation of inflexible material over non deformable substrates can leading to sudden rupture and subsidence of the floor under the action of concentrated or high loads. Therefore carefully evaluate the deformity.
- DO NOT use LATALASTIK over substrates particularly wet or subject to rising damp. In that case fit a sufficient barrier to vapor.
- The surface to be treated must be at a minimum temperature of 15°C during installation and during the next 48 hours.
- store the material at room temperature 24 hours before the application

### Cautions

- LATALASTIK part A when fresh is irritant for skin and eyes. The part B is corrosive for skin and if ingested. May irritate eyes and skin. Avoid contact with eyes and with skin. Wear gloves and goggles during mixing and application of the product. In case of contact, flush thoroughly with water and PH neutral soap and look for medical attention.
- Keep out of reach of children.

Consult MSDS for more safety information.

### TECHNICAL DATA

### AT 23°C and 50% U.R. Applicable Standard

Class R2T Conforms to European standard EN12004	
Appearance:	paste thixotropic
Color:	white part A brown part B
Mixing ratio:	kg 5 part A + kg 2 part B
Working time:	25-30 min
Initial cure:	3-5 hours
Density of mixed product:	600+-10% ( kg/m <sup>3</sup> )
Foot traffic:	24 hours
Application temperature:	+15°C to +35°C

PERFORMANCES			
NORM	TEST	RESULT	REQUIREMENT
EN12004	Vertical slip EN1308	0.1 mm	≤ 0.5 mm
EN12004	Open time after 20 min EN1346	2.5 MPa	≥ 0.5 MPa
EN12004	Initial shear bond EN12003-7.3	3.5 MPa	≥ 2.0 MPa
EN12004	Adhesion after immersion in water EN12003-7.4	2.5 MPa	≥ 2.0 MPa
EN12004	Adhesion after shock thermal EN12003-7.5	2.8 MPa	≥ 2.0 MPa

The performance results are obtained from certification n. 254753/4182/CPD, 254754/4183/CPD, 254755/4184/CPD, 244756, 244757 issued from Istituto Giordano S.P.A.

The 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. Classification in accordance to the EN12004 norm. LATALASTIK is a reactive improved adhesive classified R2T.

Chemical Resistance Chart	
Ammonia solution < 8 %	R
Calcium Carbonate in suspension	R
Sodium Hypochlorite max 6% (bleach)	R
Sodium Chloride Solution Saturated	R
Surface Ph neutral or slightly Basic	R

Surface Acid with Ph > 5	R
Distilled water	R
Hydrochloric acid max 1%	R
Sulfuric Acid max 1%	R
Solvents	NR

**R** Recommended  
**NR** Not Recommended

*Organic Acids in general: temporary contact with removal of the contaminant followed by abundant water*

## APPLICATION

### Surface Preparation

Surfaces must be stable and compact, clean, free of oils, greases, paints, etc. If substrates come back with moisture, interpose a proper vapor barrier. Metallic surfaces must be perfectly degreased and free of rust. Ceramic tiles and stone materials must be cleaned, mechanically strong and well anchored to the substrate.

Any unevenness must be filled with a special two component mortar LATICRETE®. The cement screeds must be cured for at least 28 days, plaster at least one week for each cm thick.

### Expansion joints

Expansion joints in the support must be reported in the new floor surface while maintaining its location and size through all the layers of materials laid. Follow the recommendations of ANSI Specification A108.01-3.7 "Requirements for Movement joints: Preparations by Other trades" and details TCA EJ-171 "Movement joints – Vertical & Horizontal" for the positioning and sizing of the joints. Do not cover expansion joints with cement mortar. Make backgrounds of 16 m" when laying flooring. The optimum length/width ratio is 1:1. Make elastic splitting joints every 7-8 linear meters in case of long and narrow surfaces. *For more information see the LATICRETE Technical Service*

### Mixing

Pour the contents of Part B (hardener) in a clean pail, add part A (resin) and mix with a whisk drill at low speed (about 300 rpm). Mix from the bottom up until to obtain a homogeneous mixture and color. Do not mix different quantity from the batches to avoid any errors in the mixing ratio because it would cause an incorrect hardening.

### Application

LATALASTIK has the consistency of soft dough and can be applied by a notched trowel suitable for the tile's size. LATALASTIK has to be laid first with the right side of the trowel and then with the notched side leaving well defined lines.

Install the tiles perfectly dry and clean over the fresh adhesive, pressed to insure a perfect coverage of the back. In case it is requested also the waterproofing of the substrate it is suggested to perform a smoothing of 1 mm and fix the tiles or the mosaic as before described, no later than 24 hours from the first coat. Pay attention to not damage the waterproofing membrane with the notched trowel. Register the covering or the floor within 30-35 min from the installation, this time decrease with the increasing of the temperature and/or the substrate. To fit the ceramic over substrate particularly deformable or of materials characterized by a high instable dimensional, it is necessary to install the tiles with large width joint regardless of format. The installation of ceramic and stone in external and format over 20x20 has to be done with the technique double coating.

### Tile Installation

Size the joints accordingly with the format of the tiles and the surface to be installed. Never install the tiles close one to one without joint. Grout installation after a minimum of 24 hours curing time at 23°C and 50% U.R. Grout with cement COLORBAS FS or COLORBASE FL mixed with clean water or 1776 GROUT ENHANCER. For maximum stain resistance and chemical aggressive substance use LATAPOXY® SP100 STAINLESS GROUT, SPECTRALOCK® 2000IG and SPECTRALOCK® PRO GROUT.

### Cleaning

Clean tools and tile work with water and soap before product sets.

### Approximate Coverage

About 6-8kg/m<sup>2</sup> of product per 1 cm of thickness. The consumption varies significantly depending on the mixing time and degree of compaction.

## AVAILABILITY AND COST

### Availability

LATICRETE AND LATAPOXY materials are available worldwide. For distributor information, please contact LATICRETE EUROPE S.r.l. Telephone +39 059 557680. For on-line distributor information, visit [www.laticrete.eu](http://www.laticrete.eu)

### Cost

Contact a LATICRETE and LATAPOXY closer distributor to obtain complete information and cost.

## WARRANTY

The supplier warrants that the product will not deteriorate under normal conditions and use. The warranty validity of one (1) year. Contact Technical Support for further information.

## 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.

## TECHNICAL SERVICE

### Technical assistance

For information contact: +39 059 557680

info@laticreteeuropa.com

### Technical and safety literature

To obtain technical and safety literature, please visit our website at [www.laticrete.eu](http://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 unable to directly control the installation conditions and modalities of application of products, do not assume any liability arising from their implementation. Those who want to use the LATICRETE products must 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.