



LATALASTIK

DS-408-0521

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

LATALASTIK

2. MANUFACTURER

LATICRETE Europe S.r.l. a socio unico

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3. PRODUCT DESCRIPTION

LATALASTIK is a two-component epoxy-polyurethane adhesive designed for high strength and flexibility for ceramic, mosaic and stone installation.

LATALASTIK is ideal for marble, stone and other moisture sensitive materials. It can be used on porous, non-absorbent, and smooth substrates that traditional adhesives cannot bond to (i.e. cementitious substrates, wood, metal, ceramic, stone).

Uses

- For installation of marble, agglomerate stone and other moisture sensitive finishes, which have a tendency to warp due to water absorption
- For tile and stone finishes subject to thermal expansion and vibration
- Can bond to both porous and metal substrates
- For tiles and mosaics in prefabricated showers and pod bathrooms

Advantages

- Ultimate epoxy-polyurethane adhesive — high strength and flexible
- Safe, contains no solvents
- Bonds to metal, wood and ceramic tile
- Ideal for marble and other moisture sensitive tile and stones
- Available in LATALASTIK FIREPROOF, which is IMO-MED certified

Suitable Substrates

- Concrete
- Cement Mortar Bed
- Cement Plaster/Render
- Radiant Heated Floors
- Masonry
- Ceramic Tile and Stone
- Wood
- Exterior Glue Plywood (Interior Only)
- Cement fiber board
- Cement Backer Board (Interior Only)
- Metal (Consult LATICRETE Technical Services prior to use)

Packaging

- Part A: 5 kg per pail; 100 pails per pallet
- Part B: 2 kg per pail; 100 pails per pallet

Coverage / Consumption

- 2 - 3 kg / m² for mosaic and small format tiles
- 3.5 - 4 kg / m² for medium format tiles
- 5 - 6 kg / m² for large format tiles, marble and stone slabs (double coating / back buttering)

Shelf Life

Store in original packaging. Use within one (1) year of manufacture. Do not allow to freeze.

Limitations

- Maximum performance is achieved after seven (7) days at 23°C and 50% R.H.
- DO NOT mix a partial batch of product; mix all of Part A with all Part B in a 1:1 ratio (5kg : 2kg).
- DO NOT use over substrates particularly wet or subject to moisture. Use an appropriate moisture vapour barrier if required.

- The surface to be treated must be at a minimum temperature of 15°C during installation and for the subsequent 48 hours after application.
- Store material at room temperature at least 24 hours before application.

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.

Cautions

Consult MSDS for more safety information.

- During cold weather, setting and curing times can be retarded by low temperatures. Protect finished work until fully cured.
- Part A when fresh and uncured is an irritant for skin and eyes. 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 seek medical attention.
- Keep out of reach of children.

4. TECHNICAL DATA

Applicable Standard

- EN 12004, R2 T
- ISO 9001:2015 Quality Management System

Physical Properties

Basix:	Reactive resins, aggregates, additives		
Colour:	Part A: white Part B: brown		
Flammability:	No		
Classification EN 12004-1:	R2 T		
	Value	Requirement	Test Method
Initial Shear Adhesion Strength:	3.5 N/mm ²	≥ 2,0 N/mm ²	12004-2 8,5
Shear Adhesion Strength after Thermal Shock:	2.8 N/mm ²	≥ 2,0 N/mm ²	12004-2 8,5
Shear Adhesion Strength after Water Immersion:	2.5 N/mm ²	≥ 2,0 N/mm ²	12004-2 8,5
Open Time: Tensile Adhesion Strength after 20 min.	2.5 N/mm ²	≥ 0,5 N/mm ²	12004-2 8,1
Slip:	0.1 mm	≤ 0,5 mm	12004-2 8,2
Temperature Resistance:	From -30°C to +90°C		

Working Properties

Consistency:	Creamy, thixotropic paste
Wet Density:	600 kg/m ³ (+/-10%)
Mix Ratio:	Part A : Part B (5 kg : 2 kg)
Application Temperature:	+15°C to +35°C
Working Time:	25-30 minutes
Time to Foot Traffic:	24 hours
Time to Grouting:	24 hours

(at 23°C and 50% R.H.)

Chemical Resistance

Ammonia solution < 8 %	R
Calcium Carbonate in suspension	R
Sodium Hypochlorite max 6% (bleach)	R
Sodium Chloride Solution Saturated	R
Sodium Carbonate 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

Note: in general with organic acids, limit to temporary contact with immediate removal and cleanup followed by abundant water.

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

All surfaces must be structurally sound, stable and compact, and clean and free of all dirt, oil, grease, paint, concrete sealers, or curing compounds. Metal surfaces must be completely degreased and free of rust. Tile and stone finishes must be cleaned, in good condition, and adequately anchored to the substrate.

Rough or uneven surfaces should be filled and made smooth with LATICRETE® underlayments or mortars to provide a wood float (or better) finish. Cement screeds, renders, and plasters must be properly cured (at least 28 days for cement screeds, at least one (1) week per cm of thickness for plasters).

Note: If installing over a waterproofing membrane, we recommend applying a 1 mm thick smoothing layer of LATALASTIK before installing the tile finish. Wait 30-35 minutes before installing tile finish. Do not wait longer

than 24 hours after smoothing coat application to install tile.

Expansion Joints

Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate.

Follow local standards or design requirement for movement and expansion joints (i.e. UNI 11493-1:2016, ANSI specification A108.01-3.7 "Requirements for Movement Joints: Preparations by Other Trades", or TCNA detail EJ-171 "Movement Joints—Vertical & Horizontal").

Do not cover expansion joints with mortar. For more information see the LATICRETE Technical Service.

Mixing

Pour the contents of Part B into a clean pail, then add Part A and mix thoroughly with a drill mixer at low speed (~300 rpm). Mix moving from the bottom up, until liquids are completely blended and homogeneous in colour. The mixed product should have the consistency of a creamy, thixotropic paste.

Note: DO NOT mix a partial batch of product to avoid errors as it can result in issues with curing.

Application

Apply adhesive to the substrate with the flat side of the trowel, pressing firmly to work into surface. Comb on additional mortar with the notched side. Place perfectly dry and clean tiles into wet, sticky adhesive and apply pressure to imbed tile for proper coverage and adjust level. Check mortar for complete coverage by periodically removing a tile and inspecting bedding adhesive transfer onto back of tile.

Note: Use the proper sized notched trowel to ensure the adhesive adheres to the tile, covering at least 95%-100% of the back of tile for indoor installations and 100% for outdoors installations or in areas subjects to heavy traffic.

Size the joints accordingly with the format of the tiles and the surface to be covered. Never install tiles directly adjacent to one another without joint.

For installation of tile over particularly deformable substrates, such as wood, it is necessary to install with large joint (at least 4 mm wide).

Grouting

Grout installation after a minimum of 24 hours curing time at 23°C and 50% relative humidity. Grout with LATICRETE® cement or epoxy grouts. For maximum stain resistance and chemical aggressive substance use SPECTRALOCK® PRO PREMIUM GROUT or SPECTRALOCK® 2000IG.

Cleaning

Clean tools and tile work with water and soap while adhesive is fresh.

6. AVAILABILITY AND COST

Availability

LATICRETE® materials are available worldwide. For distributor information, please contact LATICRETE EUROPE S.r.l.:

+39 059 535540

info@laticreteurope.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)

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:

+39 059 535540

technicalservices@laticreteurope.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. The following is a list of related documents:

- DS 230.13EU: 1 Year Product Warranty
- DS 508 LATALASTIK FIREPROOF Product Data Sheet