



LATALASTIK

LATALASTIK is a two-component epoxy-polyurethane adhesive designed with high strength and flexibility for rapid, reliable installations of ceramic, mosaic and stone tile. Due to its chemistry composition, LATALASTIK is ideal for marble, marble agglomerate, composite stone tiles and other moisture sensitive materials that tend to warp due to water absorption. It also can be used on porous, non-absorbent, and smooth substrates that traditional adhesives cannot bond to.



ADVANTAGES



- Ultimate epoxy-polyurethane adhesive — high strength and flexible
- Safe, contains no solvents
- Bonds to a variety of substrates
- Does not require the use of primer with gypsum and anhydrite substrates
- Ideal for marble and other moisture sensitive tile and stones — does not stain or warp or deform.

MANUFACTURER

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USES

- For interior and exterior use — good for both walls and floors
- Ideal for installation of marble, agglomerate stone, composite stone tiles and other moisture sensitive finishes, which have a tendency to warp or deform due to water absorption.
- Good for tile and stone finishes subject to thermal expansion and vibration
- Can bond to both porous and smooth, non-porous substrates such as steel.
- Ideal for tiles and mosaics in prefabricated showers and pod bathrooms

STANDARDS / CERTIFICATIONS

Applicable Standards

Class R2T Conforms to
European standard EN12004.

(see the technical data)



DCLD CERTIFIED

Suitable Substrates

- Concrete
- Cement Mortar
- Cement Plaster
- Radiant Heated Floors
- Wood
- Exterior Glue Plywood (Interior Only)
- Cement Backer Board (Interior Only)
- Metal (Consult LATICRETE Technical Services prior to use)
- Existing Ceramic Tile and Stone (Interior Only)
- Anhydrite Screed
- Gypsum Wallboard

Packaging

5 Kg Set (Part A + Part B)

Shelf life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year from date of manufacture. Recommended storage temperature is 15 - 28°C.

Approximate Coverage / Consumption

- 2,4 - 2,6 kg / m² for mosaic with a 3x3 mm notched trowel
- 3,1 - 3,3 kg / m² for medium format tiles with a 6x6 mm notched trowel
- 5 - 6 kg / m² for large format tiles, marble, and stone slabs (double coating / back buttering)

NOTE: Above coverage is intended as a guide, it may vary depending upon application technique, substrate profile/flatness, trowel angle, trowel wear and wastage factor. Actual coverage shall be determined by mockup area based on site conditions.

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 the ratio as provided.
- DO NOT use over substrates particularly wet or subject to moisture. Use an appropriate moisture vapor 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.
- DO NOT use for submerged applications such as swimming pools.

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.

TECHNICAL DATA**GREENGUARD:**

VOC/LEED Product Information: This product has been certified for Low Chemical Emissions (ULCOM/GG UL2818) under the UL GREENGUARD Certification Program for Chemical Emissions for Building Materials, Finishes and Furnishings (UL 2818 Standard) by UL Environment

Physical Properties

Basis:	Hybrid epoxy-polyurethane		
Color:	White (Part A & B)		
Flammability:	No		
Classification EN 12004-1:	R2 T		
	Value	Requirement	Test Method
Initial Shear Adhesion Strength:	3.8 N/mm ²	≥ 2,0 N/mm ²	12004-2 8,5
Shear Adhesion Strength after Thermal Shock:	2.50 N/mm ²	≥ 2,0 N/mm ²	12004-2 8,5
Shear Adhesion Strength after Water Immersion:	2.9 N/mm ²	≥ 2,0 N/mm ²	12004-2 8,5
Open Time: Tensile Adhesion Strength after 120 min.	2.1 N/mm ²	≥ 0,5 N/mm ²	12004-2 8,1
Slip:	0.1 mm	≤ 0,5 mm	12004-2 8,2
Service temperature:	From -30°C to +90°C		

Working Properties

Consistency:	Creamy
Wet Density:	1.60 g/cm ³
Mix Ratio: by weight	Part A: Part B (4: 1)
Application Temperature:	From +15° C to +35°C
Maximum Thickness:	15 mm
Working Time:	30-45 minutes
Open Time:	90 - 120 minutes
Time to Foot Traffic:	12 hours
Time to Grouting:	12 hours
Time to Full-Service Conditions:	3 days

(at 23°C and 50% R.H.) 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.

APPLICATION

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® underlayment's 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.

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

Note: 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 contact LATICRETE Technical Service.

Mixing

Pour the entire content of Part B into Part A pail and mix thoroughly with a drill mixer at low speed (~300 rpm). Mix moving from the bottom up, until both components are completely blended and homogeneous. 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).

Recommended application temperature is minimum 15°C and maximum 32°C to achieve the workability of 30-45 minutes.

Grouting

Grout installation after a minimum of 12 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 uses SPECTRALOCK® PRO PREMIUM GROUT† or LATAPOXY® 2000 Industrial Epoxy Grout.

Cleaning

Clean tools and mixer used for LATALASTIK with suitable solvent immediately after use. Once cured it can be removed mechanically only.

AVAILABILITY AND COST

Availability

LATICRETE® materials are available worldwide.

For distributor information, please contact us by email at: enquiry@laticrete.me or, visit www.laticrete.me

Cost

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

WARRANTY

The supplier warrants this product will not deteriorate under normal conditions and use, the warranty validity of one (1) year. The product subject to the terms and conditions stated in the LATICRETE® Product Warranty. Please consult our technical support for further information.

TECHNICAL SERVICES

Technical assistance

For information contact us by email at: enquiry@laticrete.me

Technical and safety literature

To obtain technical and safety literature, please visit our website at: www.laticrete.me

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.