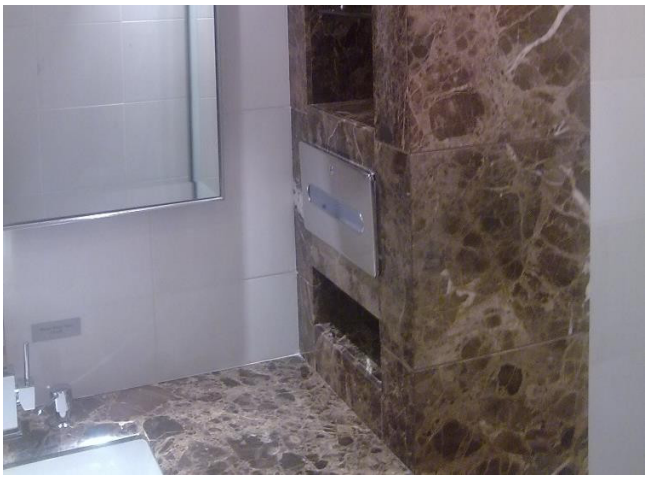
Globally Proven
Construction Solutions

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
- Available in LATALASTIK FIREPROOF version, which is IMO-MED certified

MANUFACTURER

Made in Europe for.

LATICRETE Middle East LLC.
P.O. Box. 86028, Ras Al Khaimah
United Arab Emirates
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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

Applicable Standards*
(see the technical data)

Class R2T Conforms to European standard EN12004

Suitable Substrates

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

Packaging

5 kg kit

Shelf life

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years from date of manufacture. Do not allow to freeze.

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)

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 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.
- DO NOT use for submerged applications such as swimming pools.
- 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.

TECHNICAL DATA

VOC/LEED Product Information

- ÉMISSIONS DANS L'AIR INTÉRIEUR: A+

Applicable Standard

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

Physical Properties

Basis:	Reactive resins, aggregates, additives		
Color:	Part A: white Part B: brown		
Flammability:	No		
Classification EN 12004-1:	R2 T		
	Value	Requirement	Test Method
Initial Shear Adhesion Strength:	3.8 N/mm2	≥ 2,0 N/mm2	12004-2 8,5
Shear Adhesion Strength after Thermal Shock:	3.4 N/mm2	≥ 2,0 N/mm2	12004-2 8,5
Shear Adhesion Strength after Water Immersion:	2.9 N/mm2	≥ 2,0 N/mm2	12004-2 8,5
Open Time: Tensile Adhesion Strength after 120 min.	2.1 N/mm2	≥ 0,5 N/mm2	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*
Wet Density:	*1.60 g/cm³*
Mix Ratio:	*Part A : Part B (94 : 6)*
Application Temperature:	*From +15°C to +35°C*
Maximum Thickness:	*15 mm*
Working Time:	*50 minutes*
Open Time:	*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.)
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.

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® 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 contact 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 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 use
SPECTRALOCK® PRO PREMIUM GROUT† or LATAPOXY® 2000 Industrial Epoxy Grout.

Cleaning

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

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.

MAINTENANCE

LATICRETE products 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 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.

† United States Invention Patent No.: 6881768 (and other Patents)