



# LATALASTIK FIREPROOF

DS-508-0423

**Globally Proven  
Construction Solutions**



## 1. PRODUCT NAME

LATALASTIK FIREPROOF

## 2. MANUFACTURER

LATICRETE Europe S.r.l. a socio unico

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Castelnuovo Rangone MO, Italy

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## 3. PRODUCT DESCRIPTION

LATALASTIK FIREPROOF is a IMO-MED certified 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 FIREPROOF 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 (wood, metal, ...) that traditional adhesives cannot bond to.

### 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

### 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
- IMO-MED certified

### Suitable Substrates

### Packaging

4,44 kg pails (kit A+B)

### Approximate Coverage / Consumption

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

### 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.

### 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.

## 4. TECHNICAL DATA



#### VOC/LEED Product Information

- ÉMISSIONS DANS L'AIR INTÉRIEUR: A+

#### Applicable Standard

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

## Physical Properties

|   |  |                         |             |
|---|--|-------------------------|-------------|
| Basis:  | Reactive resins, aggregates, additives |                         |             |
| Colour:   | Part A: white<br>Part B: brown         |                         |             |
| Flammability:                                       | No                                     |                         |             |
| Classification EN 12004-1:                          | R2 T                                   |                         |             |
|   | Value                                  | Requirement             | Test Method |
| Initial Shear Adhesion Strength:                    | 3.5 N/mm <sup>2</sup>                  | ≥ 2,0 N/mm <sup>2</sup> | 12004-2 8,5 |
| Shear Adhesion Strength after Thermal Shock:        | 2.1 N/mm <sup>2</sup>                  | ≥ 2,0 N/mm <sup>2</sup> | 12004-2 8,5 |
| Shear Adhesion Strength after Water Immersion:      | 2.7 N/mm <sup>2</sup>                  | ≥ 2,0 N/mm <sup>2</sup> | 12004-2 8,5 |
| Open Time: Tensile Adhesion Strength after 120 min. | 3.7 N/mm <sup>2</sup>                  | ≥ 0,5 N/mm <sup>2</sup> | 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/cm <sup>3</sup>       |
| Mix Ratio:                       | Part A : Part B<br>(90 : 10) |
| Application Temperature:         | From +15°C to +35°C          |
| Maximum Thickness:               | 15 mm                        |
| Working Time:                    | 60 - 90 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.)

*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 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).*

### Application in Marine destination (MED)

Product description: Primary Deck Covering made with epoxy-polyurethanic resins and mineral filler.

Mass per area (kg/m<sup>2</sup>): 3,0 +/- 0,3

Thickness (mm): 2,0 +/- 0,2

Destination: Prime Deck Covering

Suitable on each metal substrate with thickness > 2,5 mm

### 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 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. a socio unico:

+39 059 535540

[info@laticreteurope.com](mailto:info@laticreteurope.com)

For on-line distributor information, visit [www.laticrete.eu](http://www.laticrete.eu).

### Cost

Contact LATICRETE Europe S.r.l. a socio unico 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:

## 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](mailto:technicalservices@laticreteurope.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® 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](http://laticrete.eu). The following is a list of related documents:

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