



LATAPOXY® WATERPROOF FLASHING MORTAR

DS-700-0122

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

LATAPOXY® WATERPROOF FLASHING MORTAR

2. MANUFACTURER

LATICRETE Europe S.r.l. a socio unico

Via Paletti, snc, 41051

Castelnuovo Rangone MO, Italy

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Email: info@laticreteeurope.com

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3. PRODUCT DESCRIPTION

LATAPOXY® WATERPROOF FLASHING MORTAR is specifically designed to be used under ceramic tile, stone or brick for rapid installations which require a fast curing waterproof flashing.

It can be trowel applied and used to waterproof seams, gaps, or joints between a variety of substrates, pipe penetrations, or flashing. LATAPOXY WATERPROOF FLASHING MORTAR is flexible, easy to apply and will allow for rapid installations.

Equipped with Microban antimicrobial protection to fight the growth of stain-causing mould and mildew on the epoxy membrane.

Uses

- For interior and exterior use
- For use under ceramic tile, stone or brick
- Flashing for plumbing fixtures and pipe penetrations

- Waterproof seams between flashing and façade building elements
- Swimming pools, fountains, and water features
- Shower pans, stalls, tub surrounds
- Bathrooms, & laundries (Industrial, commercial and residential)
- Kitchens and food processing areas

Advantages

- Fast curing
- Waterproof epoxy based formula
- Extremely flexible
- Easy to apply using a trowel
- Adheres to metal and PVC pipes, drains and flashing
- Equipped with Microban to fight the growth of stain-causing mould and mildew

Suitable Substrates

- Concrete
- Cement Mortar Bed
- Cement Plaster
- Concrete Block
- Brick Masonry
- Exterior Glue Plywood (Interior applications only, not for use in permanent wet areas)
- Gypsum Wallboard (Interior use only, non-wet areas)
- Ceramic Tile and Stone
- Terrazzo
- Cement Backer Board (Consult cement backer board manufacturer for specific installation recommendations and to verify acceptability for exterior use)
- Metal (Consult LATICRETE Technical Services prior to use)

Packaging

7.2 kg kit, includes:

- 2 x Part A (0.6 kg each)
- 2 x Part B (0.5 kg each)
- 2 x Part C (2.5 kg each)

Approximate Coverage / Consumption

- Consumption: ~1.7 km/m² per mm
- Coverage: ~4.2 m² at 3 mm thick, depending on application

4. TECHNICAL DATA



Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >32°F (0°C) and <110°F (43°C) and off the ground in a dry area.

Limitations

- DO NOT bond to OSB, interior glue plywood, particle board, luan, Masonite® or hardwood surfaces.
- DO NOT use as a primary roofing membrane over occupied space. For more information in installation of tile over wood decks, or, over occupied or finished spaces please refer to TDS 157 “Exterior Installation of Tile and Stone Over Occupied Space.”
- DO NOT use over expansion joints, structural cracks or cracks with vertical differential movement.
- DO NOT bridge expansion joints, structural cracks, or cracks with vertical differential movement.
- Must be covered with ceramic tile, stone, brick, concrete, screeds, terrazzo or other wear resistant surface. For temporary cover, use protection board.
- Obtain approval by local building code authority before using product in shower pan applications.
- DO NOT install directly over single layer wood floors, plywood tubs/showers/fountains or similar constructs.
- NOT for use beneath cement or other plaster finishes. Consult with plaster manufacturer for their recommendations when waterproofing membrane is required under plaster finishes.
- NOT for use under self-leveling underlayments or decorative wear surfaces.

Cautions

Consult SDS for more safety information.

- Protect finished work from water or traffic until fully cured.
- Until cured LATAPOXY® Waterproof Flashing Mortar may irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Contains sand. Sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children.
- Surface temperature must be >45°F (10°C) and less than <90°F (32°C) during installation and for 24 hours thereafter.
- Do not expose unprotected membrane to sun or weather for more than 30 days
- Cold weather will require a longer cure time.

Applicable Standard

- Meets and exceeds all ANSI 118.10
- ISO 9001:2015 Quality Management System

Physical Properties

Test	Method	Results	Specification
Mold Growth	ANSI A118.10–4.1	No growth	No growth
Seam Strength	ANSI A118.10–4.2	3.3–4.2 N/mm wide	1.4 N/mm wide
Breaking Strength	ANSI A118.10–4.3	450–530 psi (3.1–3.6 MPa)	>1.17 MPa
Dimensional Stability	ANSI A118.10–4.4	0% change after 72 hr at 70°C 0% change after 72 hr at -26°C	<0.7% change after 72 hr at 70°C <0.7% change after 72 hr at -26°C
Waterproofness	ANSI A118.10–4.5	No moisture	No moisture penetration after 48 hours
7 Day Shear Bond Strength	ANSI A118.10–5.3	0.8–1.0 MPa	>0.34 MPa
7 Day Cure 7 Day Water Soak Shear Strength	ANSI A118.10–5.4	0.5–0.7 MPa	>0.34 MPa
4 Week Shear Bond Strength	ANSI A118.10–5.5	0.6–0.8 MPa	>0.34 MPa
12 Week Shear Bond Strength	ANSI A118.10–5.6	0.8–0.9 MPa	>0.34 MPa
100 Day Water Soak Shear Strength	ANSI A118.10 M–5.7	0.4–0.6 MPa	>0.34 MPa

Working Properties

Property	Test Method	Result
Application Thickness:	-	1–3 mm
Set Time Hours:	ASTM C266	8 to 12 hours
Pot Life:	Internal	150 minutes
Light Foot Traffic:	ASTM D2240	4 days
Heavy Foot Traffic:	ASTM D2240	5 days
Time to Tile:	Internal	24 hours

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

Surface temperature must be 10–32°C during application and for 24 hours after installation. All substrates must be structurally sound, clean and free of dirt, oil, grease, paint, laitance, efflorescence, concrete sealers or curing compounds.

Make rough or uneven concrete smooth to a wood float or better finish with a LATICRETE® Underlayment. Do not level with gypsum or asphalt based products. Maximum deviation in plane must not exceed 6 mm in 3 m with no more than 1.5 mm in 0.3 m variation between high spots.

Dampen hot, dry surfaces and sweep off excess water—installation may be made on a damp surface. New concrete slabs shall be damp cured a minimum of 14 days before application

Mixing

Mix Part A with Part B for roughly 30 seconds with a low speed drill until thoroughly mixed, uniform in color. Add Part C and mix for 1 minute until evenly dispersal in the liquid. Product is now ready to apply.

Main Application

Apply product to substrate using 5 x 4 mm V-notched trowel. Allow the trowel to gauge the appropriate amount of material onto the surface using the V-notch side. Once material is applied, use the flat side of the trowel to “knock down” or flatten all ridges to produce a smooth flat surface (40–125 mils [1–3 mm] thick). Use wet film gauge to check thickness.

Be sure to look for any “pinholes” or areas not covered by the material. If any voids appear, cover same or next day with LATAPOXY® WATERPROOF FLASHING MORTAR. Make sure all 90° angles at cove and corners are properly filled.

Application - Flashing & Façades Building Elements

Make sure that flashing and façade building elements are free from rust, oil, dirt, etc. and any contaminants that might prevent adequate bonding.

Ensure flashing is securely fastened, stable, rigid, and does not allow movement.

Apply LATAPOXY WATERPROOF FLASHING MORTAR directly to flashing and waterproof membrane (e.g. HYDRO BAN®) covering the façade building elements, extending 76 mm on both sides beyond the flashing and façade building elements interface. The mortar will bond directly to the flashing and waterproof membrane. Ensure that minimum thickness of 40 mil (1mm) is achieved.

Application - Drains and Pipe Penetrations

Make sure that pipes and drains are free from rust, oil, dirt, etc. and any contaminants that might prevent

adequate bonding. For PVC penetrations, scarify pipe where membrane will be applied with sand paper.

Ensure pipe penetrations and drains are securely fastened, stable, rigid, and do not allow movement. Pack all voids around pipe penetrations with closed cell backer rod in appropriate manner.

Apply LATAPOXY WATERPROOF FLASHING MORTAR directly to pipe penetration, extending 76 mm above point of installation. No fabric or sealant is required. The membrane will bond directly to the pipe. Ensure proper thickness is achieved (minimum 40 mil [1 mm]).

Flash LATAPOXY WATERPROOF FLASHING MORTAR directly over metal flange of the drain—do not cover the weep holes. A two part clamping ring style drain should be used.

Application - Expansion Joints

Trowel LATAPOXY WATERPROOF FLASHING MORTAR flush to the edge of the joint flanks on each side. Fill the joint with the appropriate sized closed cell backer rod and fill with LATASIL™.

Application - Coves & Corners

Trowel LATAPOXY WATERPROOF FLASHING MORTAR 152 mm in both vertical and horizontal substrates from cove. Ensure proper thickness by using recommended trowel and install per installation instructions described in “Main Application” section.

Cleaning

Clean tools with water and soap before product sets.

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

For on-line distributor information, visit 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:

- DS 230.13EU: 1 Year Product Warranty

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 230.10EU: 10 Year System Warranty
- DS 110: LATASIL™ Product Data Sheet
- DS 6630: HYDRO BAN® Product Data Sheet