



9235 WATERPROOFING MEMBRANE

DS-2370-0821

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

9235 WATERPROOFING MEMBRANE

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

9235 WATERPROOFING MEMBRANE is a thin, load-bearing waterproofing designed specifically for the special requirements of ceramic tile, stone and brick installations, ideal for wet areas and continuous water submersion applications.

A self-curing liquid rubber polymer and a reinforcing fabric are quickly applied to form a flexible, seamless waterproofing membrane that bonds to a wide variety of substrates. 9235 WATERPROOFING MEMBRANE can be applied with a paint brush or long nap paint roller, and allows installation of tile, brick and stone directly onto membrane.

Equipped with Microban Anti-Microbial Protection.

Uses

- Interior and exterior
- Walls, floors, and countertops
- Swimming pools, fountains & water features

- Shower pans, stalls and tub surrounds
- Bathrooms & laundries (industrial, commercial & residential)
- Spas and hot tubs
- Kitchens & Food Processing Areas
- Terraces & balconies over unoccupied spaces
- Facades
- Steam rooms (when used in conjunction with a vapor barrier)

Advantages

- Install tile, brick and stone directly onto membrane
- Equipped with Microban® anti-microbial technology – inhibits the growth of stain-causing bacteria on the waterproofing membrane
- Safe — no solvents and non-flammable
- Thin — only 0.5 mm thick when cured
- Vertical and horizontal surfaces (including ceilings)
- Anti-fracture protection of up to 3 mm over shrinkage and other non-structural cracks
- Applies quickly with a paint brush or roller — no special mixing or application equipment needed
- Easy cleanup — just use water while fresh
- Fast cure — normally ready in hours for finishes
- Low VOC emissions — UL GREENGUARD GOLD certified
- Protects concrete & reinforcing steel from corrosion
- “Extra Heavy Service” rating per TCNA performance levels (RE: ASTM C627 Robinson Floor Test)
- IAPMO and ICC Approval

Suitable Substrates

- Concrete
- Cement Mortar Bed
- Cement Plaster/Render
- Masonry
- Gypsum Wallboard (Interior use only, non-wet areas)
- Cement Backer Board (Consult cement backer board manufacturer for specific installation recommendations and to verify acceptability for exterior use)
- Existing Ceramic Tile and Stone
- Terrazzo

Packaging

23 lt pail; 36 pails per pallet

23 lt kit, includes:

- (1) 23 lt pail

- (1) 27.9 m x 1 m roll of ANTI-FRACTURE FABRIC
- (1) 23 m x 15 cm roll of ANTI-FRACTURE FABRIC

Approximate Coverage / Consumption

- Coverage: ~28-29 m² (with 2 coats)
- Consumption: ~0.8 L/m²

Consumption will vary depending on substrate type and conditions.

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).>

Limitations

- 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.”
- Use LATAPOXY® 300 ADHESIVE for installing green marble or water sensitive stone, resin-backed stone or tile and agglomerates.
- Do not use over expansion joints, structural cracks or cracks with vertical differential movement
- Do not use over cracks >1/8" (3 mm) in width
- Do not use as a vapor barrier (especially in steam rooms)
- Not for use directly over particle board, luan, Masonite®, or hardwood floors.
- Use white mortar for white or light-colored marble or stone.
- Do not expose unprotected membrane to sun or weather for >30 days
- Do not expose to negative hydrostatic pressure, excessive vapor transmission, rubber solvents or ketones
- Must be covered with ceramic tile, stone, brick, dry pack thick bed mortars, terrazzo or other traffic-bearing course.
- Do not install directly over single layer wood floors, plywood tubs/showers/ fountains or similar constructs
- Not for use under self-leveling underlayments or decorative wear surfaces
- Not for use beneath cement or other plaster finishes. Consult with the plaster manufacturer for their recommendations when a waterproof membrane is required under plaster finishes.

Cautions

Consult SDS for safety information.

- Surface temperature must be >45°F (7°C) during installation and for 24 hours thereafter
- Protect from traffic or water until fully cured
- Allow membrane to cure fully (typically 7 days @ 70°F/21°C) before flood testing; flood test prior to applying tile or stone

- Cold weather will require a longer cure time

4. TECHNICAL DATA



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.

Applicable Standard

- EN 14891 DM O
- ICC Evaluation Service report ESR-1058
- IAPMO/Uniform Plumbing Code File No.3524
- ISO 9001:2015 Quality Management System

Physical Properties

Classification EN 14891:	DM O	
Basis:	Self-curing liquid rubber polymer	
Colour:	Black	
Flammability:	No	
	Value	EN 14891 Requirements
Initial Adhesion:	~ 0,9 N/mm ²	≥ 0.5 N/mm ²
Adhesion after Immersion in Water:	~ 0,6 N/mm ²	≥ 0.5 N/mm ²
Adhesion after Heat Action:	~ 0,8 N/mm ²	≥ 0.5 N/mm ²
Adhesion after Freeze-Thaw Cycles	~ 0,7 N/mm ²	≥ 0.5 N/mm ²
Adhesion after Immersion in Calcium-Saturated Water:	~ 0,7 N/mm ²	≥ 0.5 N/mm ²
Waterproofing at 1.5 bar for 7 days (standard pressure):	No penetration	No penetration
Crack-bridging Ability (in standard conditions):	~ 3,0 mm	≥ 0,75 mm
Crack - bridging ability in low temperatures (-5 °C):	~ 2,9 mm	≥ 0,75 mm

Working Properties

Consistency:	Smooth / creamy
Mix Ratio:	Ready-to-use
Average Time to Application of Second Coat:	1-3 hours
Time to Foot Traffic:	2-3 hours
Time to Flood Test:	7 days (after final coat)*
Time to Tile Install:	2-3 hours (after final coat)
Time to Installation of Other Finishes:	7 days**
Wet Coat Thickness:	15 – 22 mils (0.4 – 0.6 mm)
Dried Thickness:	~0.5 mm
Application Temperature:	From +7 to +32°C

(23°C / 50% RH)

*Cold and/or wet conditions will require a longer curing time. For temperatures 50 – 69°F (10 – 21°C) allow 24 hours after final cure prior to flood testing.

**thick bed mortar, screeds, toppings, coatings, epoxy adhesives, terrazzo or moisture sensitive resilient or wood flooring.

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 7 – 32°C during application and for 24 hours after installation. All substrates must be cure, 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 or mortar. 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 and a minimum of 14 days old before application.

Maximum amount of moisture in substrates must not exceed 3%.

Pre-Treat Cracks & Joints

Apply a liberal coat^^ of 9235 WATERPROOFING MEMBRANE Liquid approximately 200 mm wide over substrate cracks, cold joints, control joints and board joints using a paint brush or roller (heavy napped roller cover).

Place 150 mm wide Waterproofing/Anti-Fracture Fabric into the wet 9235 WATERPROOFING MEMBRANE Liquid. Press down on Waterproofing/Anti-Fracture Fabric with brush or roller until the 9235 WATERPROOFING MEMBRANE Liquid “bleeds” through from below. Then apply another liberal coat^^ of

9235 WATERPROOFING MEMBRANE Liquid over the entire surface of the Waterproofing/Anti-Fracture Fabric.

Pre-Treat Coves, Corners & Seams

Apply a liberal coat^^ of 9235 WATERPROOFING MEMBRANE Liquid approximately 200 mm wide over substrate coves, corners, seams, joints and changes in plane using a paint brush or roller (heavy napped roller cover).

Fold 15 cm wide Waterproofing/Anti-Fracture Fabric in half and place it into the coat^^ of wet 9235 WATERPROOFING MEMBRANE Liquid. Flash Waterproofing/Anti-Fracture Fabric 75 mm up walls and other vertical surfaces. Press down on Waterproofing/Anti-Fracture Fabric with brush or roller until the 9235 WATERPROOFING MEMBRANE Liquid “bleeds” through from below.

Then apply another liberal coat^^ of 9235 WATERPROOFING MEMBRANE Liquid over the entire surface of the Waterproofing/Anti-Fracture Fabric.

Pre-Treat Drains

Drains must be of the clamping ring type, with weepers and as per ASME A112.6.3. Cut a square of Waterproofing/Anti-Fracture Fabric approximately 965 mm x 965 mm. In the center of the Waterproofing/Anti-Fracture Fabric square, cut a hole that matches the diameter of the drain throat as closely as possible.

Apply a liberal coat^^ of 9235 WATERPROOFING MEMBRANE Liquid around and over the bottom half of drain clamping ring. Center the circular cutout over the drain throat and imbed the Waterproofing/Anti-Fracture Fabric square into the 9235 WATERPROOFING MEMBRANE Liquid, encircling the drain throat as closely as possible. Cover with a second coat^^ of 9235 WATERPROOFING MEMBRANE Liquid.

When dry, apply a LATASIL™ silicone sealant bead where the Waterproofing/Anti-Fracture Fabric square cutout meets the drain throat. Be sure not to block weep holes on the clamping ring drain with the LATASIL. Install top half of drain clamping ring.

Pre-Treat Penetrations

Allow for a minimum 3 mm space between drains, pipes, lights or other penetrations and surrounding ceramic tile, stone or brick. Pack any gaps around pipes, lights or other penetrations with a compressible backer rod and LATASIL. Apply a liberal coat^^ of 9235 WATERPROOFING MEMBRANE Liquid around penetration opening. Imbed pieces of 150 mm wide Waterproofing/Anti-Fracture Fabric into 9235 WATERPROOFING MEMBRANE Liquid. Cover with a second coat^^ of 9235 WATERPROOFING MEMBRANE Liquid.

When dry, seal flashing with LATASIL silicone sealant. For waterproofing swimming pools, it is essential to use flange accessories.

Pre-treat Expansion Joints

Apply a liberal coat^{^^} of 9235 WATERPROOFING MEMBRANE Liquid around and down into substrate expansion joints. Loop 150 mm wide Waterproofing/Anti-Fracture Fabric down into joint to accommodate all potential movement. Cover with a second layer of 9235 WATERPROOFING MEMBRANE Liquid^{^^}.

Crack Isolation (Partial Coverage)

Crack suppression must be applied a minimum of 3 times the width of the tile or stone being installed. The tile installed over the crack cannot be in contact with the concrete.

Follow TCNA Method F125 for the treatment of hairline cracks, shrinkage cracks, and saw cut or control joints: Apply a liberal coat^{^^} of 9235 WATERPROOFING MEMBRANE liquid to a minimum of three (3) times the width of the tile and immediately apply the Waterproofing/Anti-Fracture Fabric into the wet liquid. Press firmly with brush or roller to allow complete "bleed through" of liquid. Immediately apply another liberal coat^{^^} of 9235 WATERPROOFING MEMBRANE liquid over the fabric and allow to dry.

If waterproofing is required, in addition to crack suppression, the entire field must be treated and a third coat of 9235 Waterproofing liquid must be applied over the entire treated area after the first coat has dried. Treat closest joint to crack, saw cut, or cold joint with LATASIL.

Main Application Waterproofing

Allow any pre-treated areas to dry to the touch. Apply a liberal coat^{^^} of 9235 WATERPROOFING MEMBRANE Liquid with brush or roller over substrate including pre-treated areas. Lay Waterproofing/Anti-Fracture Fabric into wet 9235 WATERPROOFING MEMBRANE Liquid and smooth out any wrinkles. Press Waterproofing/Anti-Fracture Fabric with brush or roller until 9235 WATERPROOFING MEMBRANE Liquid "bleeds" through to surface. Lap seams approximately 50 mm. Flash 9235 WATERPROOFING MEMBRANE up over pre-treated coves and corners, so such areas have two layers of Waterproofing/Anti-Fracture Fabric. Apply another liberal coat^{^^} of 9235 WATERPROOFING MEMBRANE Liquid over Waterproofing/Anti-Fracture Fabric to saturate it. Let topcoat dry to the touch, approximately 1–3 hours @ 21°C and 50% RH. Apply another liberal coat^{^^} of 9235 WATERPROOFING MEMBRANE Liquid to seal entire surface. When last coat has dried to the touch, inspect final surface for pinholes, voids, thin spots or other defects. Use additional 9235 WATERPROOFING MEMBRANE Liquid to seal defects.

^{^^} Wet coat thickness is 15 – 22 mils (0.4 – 0.6 mm); consumption per coat is -0.4 L/m²; coverage per coat is -2.5m²/L. Use wet film gauge to check thickness.

Interior CBU and Gypsum Wallboard

Waterproofing/Anti-Fracture Fabric and the third coat of 9235 WATERPROOFING MEMBRANE Liquid may be omitted from main applications over interior walls and other vertical surfaces made with cementitious backer units (CBU) or gypsum wallboard. However, coves, corners, seams and board joints must be pre-treated as described above.

Protection

Allow membrane to dry for at least 2-3 hours after the last coat (at 21°C and 50% RH) before it can be walked on it. It will not be abrasion resistant so take caution during inspection, flood testing, and install.

Provide protection for newly installed membrane, even if covered with a thin bed ceramic tile, stone or brick installation, against exposure to rain or other water for a minimum of 5 days @ 21°C and 50% RH.

Flood Testing

Allow membrane to cure fully before flood testing, typically 7 days @ 21°C and 50% RH. Cold and/or wet conditions will require a longer curing time. For more information for flood testing requirements and procedures refer to TDS 169 "Flood Testing Procedures" found at www.laticrete.eu.

Installing Finishes

Once 9235 WATERPROOFING MEMBRANE has dried to the touch, ceramic tile, stone or brick may be installed by the thin bed method with a Latex or Polymer Fortified Thin-Set Mortar.

Allow 9235 WATERPROOFING MEMBRANE to cure 7 days at 21°C and 50% RH before covering with, thick bed mortar, screeds, toppings, coatings, epoxy adhesives, terrazzo or moisture sensitive resilient or wood flooring.

DO NOT use solvent-based adhesives directly on 9235 WATERPROOFING MEMBRANE.

Drains & Penetrations

Allow for a minimum 6 mm space between drains, pipes, lights or other penetrations and surrounding ceramic tile, stone or brick. Use LATASIL and foam backer rod to seal space—do not use a grout or joint filler mortar.

Control Joints

Ceramic tile, stone and brick installations must include sealant filled joints over any control joints in the substrate. However, the sealant filled joints can be offset horizontally, by as much as one tile width from the substrate control joint location, to coincide with the grout joint pattern.

Expansion Joints

Ceramic tile, stone and brick installations must include expansion joints at coves, corners, other changes in substrate plane and over any expansion joints in the substrate. Expansion joints in ceramic tile, stone or brickwork are also required at perimeters, at restraining surfaces, at penetrations and at the intervals as required by local code, industry standards, or design professional/architect.

Cleaning

While wet, 9235 WATERPROOFING MEMBRANE liquid can be washed from tools with water.

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@laticreteeuropa.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
- DS 230.10EU: 10 Year System 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 on the cleaning products used.

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling or emailing the Technical Service Hotline:

+39 059 535540

technicalservices@laticreteeuropa.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