

# LATICRETE® 9237 Waterproof Membrane



LATICRETE® 9237 Waterproofing Membrane is a roller applied liquid rubber that forms a waterproof membrane for use under thin & thick bed installations of ceramic tile and stone, and other finishes.

## Features / Benefits

- Fast & Easy to install -applies like paint
- Water cleanable when fresh
- Non-flammable
- Proven history
- Anti-fracture protection of up to 1/8" (3 mm) over Shrinkage and other non-structural cracks.
- Exceeds ANSI A118.4 and EN 14891.
- Install tile, brick and stone directly onto membrane.

## Substrates

- Concrete
- Cement Backer Board\*\*
- Gypsum Wallboard\*
- Cement Terrazzo
- Cement Plaster
- Cement Mortar Beds
- Exterior Grade Plywood\*
- Concrete Masonry
- Brick Masonry

\*\*\*Consult cement backer board manufacturer for specific installation recommendations and to verify acceptability for exterior use.

\* Interior use only. Follow TCNA Guidelines/  
Methods: F200, RH111, RH122, F18

## Application

Recommended residential and commercial floor and wall installations such as: kitchens, bathrooms, gang showers and balconies. Also for use as a crack suppression membrane with reinforcing fabric\* (Over hairline nonstructural cracks up to 1/8" (3mm)). For interior and exterior applications.

## Certification

Member of  
Indian Green Building Council



**TECHNICAL DATA**

**Performance Properties:**

**Applicable Standards: ASTM D 471, ANSI 118.4 & EN 14891 DMP**

| ANSI DATA   |                         |  |
|---|-------------------------|--|
| 7 Day Hydrostatic Pressure - ASTM D 4068-01   | No moisture Penetration | 40 hrs   |
| 7 Day Tensile Strength - ASTM D 751   | NA                      | 300-350 psi  |
| 28 Day Shear Bond Strength of quarry tile to Membrane - ANSI 118.4 Clause (7.3)                                     | ≥ 150 psi               | 275-350 psi  |
| Shear Bond Strength of quarry tile to Membrane Bond Strength - ANSI 118.4 Clause (7.1)                              | ≥ 200 psi               | 300-350 psi  |
| Dry Time @70° F (21° C)<br>Cure Time@70° F (21° C)<br>Full Cure @ 70° F (21° C) - Tack Free (By visual Observation) | -                       | Approx. 2-3 hrs 1st coat.<br>Approx 3-4 hrs 2nd coat<br><br>Approx. 5-7 days |
| 7 Day Elongation - ASTM D 751   | NA                      | >300 %   |

**HYDROBAN conforms to ASTM D751 & ANSI 118.4**

| EN Data   |                |                |
|---|----------------|----------------|
| Property: Test Method   | Requirement    | Typical Values |
| Water Impermeability (1.5 bar for 7 days of Positive pressure) - EN 14891 A.7 | No Penetration | Pass           |
| Crack bridging  | ≥ 0.75 mm      | > 1.5 mm       |

|  |                         |                       |
|--|-------------------------|-----------------------|
| ability in Standard conditions ( 23° C) - EN 14891 A 8.2                   |                         |                       |
| Initial Adhesion Strength - EN 14891 A 6.2                                 | ≥ 0.5 N/mm <sup>2</sup> | 1.2 N/mm <sup>2</sup> |
| Adhesion Strength after Water Immersion - EN 14891 A 6.3                   | ≥ 0.5 N/mm <sup>2</sup> | 0.9 N/mm <sup>2</sup> |
| Adhesion Strength after Heat Ageing - EN 14891 A 6.5                       | ≥ 0.5 N/mm <sup>2</sup> | 1.5 N/mm <sup>2</sup> |
| Adhesion Strength after Freeze-Thaw Cycles - EN 14891 A 6.6                | ≥ 0.5 N/mm <sup>2</sup> | 1.0 N/mm <sup>2</sup> |
| Adhesion Strength after contact with Chlorinated water - EN 14891 A 6.8    | ≥ 0.5 N/mm <sup>2</sup> | 0.9 N/mm <sup>2</sup> |
| Adhesion Strength after contact with Alkaline (Lime)water - EN 14891 A 6.9 | ≥ 0.5 N/mm <sup>2</sup> | 0.8 N/mm <sup>2</sup> |

Laticrete 9237 waterproofing membrane conforms to the requirements of **EN 14891** with a classification of **DM P**.

**Packaging:**

5 Ltrs & 20 Ltrs pail.

**Colour:**

Black

**Coverage:** Approximately 225-250 sft per 20 litre pail

**Note:** Laticrete 9237 liquid is applied in 2 coats for a total wet thickness of 1.0 - 1.5mm (40-60 mils). Coverage varies based on substrate texture & porosity and application technique.

### Shelf Life:

Minimum Two (2) years when stored between >50°F (10°C) and <95°F (35°C) under shed, away from direct sunlight

### Working Properties at 70° F (21° C)

LATICRETE 9237 can be applied using a paint brush, roller or trowel. All areas must have two coats to ensure waterproofing capabilities.

| PROPERTY                             | TYPICAL VALUES  |
|--------------------------------------|-----------------|
| Specific Gravity                     | 1.150-1.200     |
| Surface Temperature Range to apply   | 8-32° C         |
| Required Dry film thickness per coat | 0.5 mm -0.75 mm |

*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.*

### INSTALLATION

All surfaces should be between 45°F(8°C) and 90°F(32°C) and structurally sound, clean and free of all dirt, oil, grease, loose peeling paint, concrete sealers or curing compounds. Rough or uneven concrete surfaces should be made smooth with LATICRETE® Latex Portland Cement underlayment to provide a wood float or better finish. Do not level with gypsum or asphalt based products. Dry, dusty concrete slabs or masonry should be cleaned, dampened and excess water swept off. Installation may be made on a damp surface. New concrete slabs shall be damp cured a minimum of 14 days old before application. All slabs must be plumb and true to within 1/4" (6mm) in 10 ft(3m).

1. Installer must verify that deflection under all live, dead and impact loads of interior plywood floors does not exceed industry standards of L/360 for ceramic tile and brick or L/480 for stone installations where L=span length;

2. Minimum construction for interior plywood floors:

**SUBFLOOR:** 5/8" (15mm) thick exterior grade plywood, either plain with all sheet edges blocked or tongue and groove, over bridged joints spaced 16" (400 mm) o.c. maximum; fasten plywood 6" (150mm) o.c. along sheet ends and

8" (200mm) o.c. along intermediate supports with 8d ring-shank, coated or hot dip galvanized nails (or screws); allow 1/8" (3mm) between sheet ends and 1/4" (6mm) between sheets edges; all sheet ends

must be supported by a framing member; glue sheets to joints with construction adhesive

### UNDERLAYMENT:

5/8" (15mm) thick exterior grade plywood fastened 6" (150mm) o.c. along sheet ends and 8" (200mm) o.c. in the panel field (both directions) with 8d ring-shank, coated or hot dip galvanized nails (or screws); allow 1/8" (3mm) to 1/4" (6mm) between sheet edges and 1/4" (6mm) between sheet edges and any abutting surfaces; offset underlayment joints from joints in subfloor and stagger joints between sheet ends; glue underlayment to subfloor with construction adhesive. Refer to Technical Data Sheet 152 "Requirements for Direct Bonding of Ceramic or Stone Tiles Over Wood Floors" for complete details.

**3. DO NOT** bond to particle board, luan, Masonite® or hardwood surfaces. Pack gaps in pipe penetrations or similar details with compressible backer rod and suitable flexible sealant. Flash around drains and pipes with LATICRETE® 9237 Waterproofing membrane and reinforcing fabric. Seal tile installation around penetrations with suitable urethane / silicone sealant.

### Mixing:

LATICRETE® 9237 is ready to use. Just stir and apply.

### Application:

**Waterproof Membrane:** First treat any coves or corners. Double application of fabric and liquid is required for all coves, corners, board joints and changes in plane. LATICRETE® 9237 Waterproofing Membrane is easily applied using a paint brush or roller (heavy napped roller cover). Apply a liberal coat of 9237 approximately 4" (10cm) each side of corner or cove. Fold 6" (15cm) wide fabric in half and embed in the wet liquid. Press firmly with brush or roller to allow complete "bleed through" of liquid. Top-coat fabric with 9237. Then apply a liberal coat of LATICRETE® 9237 Waterproofing Membrane (20-30 mils (0.5-0.75mm) wet) over the entire surface to be waterproofed, going back over fabric reinforced areas. Allow to dry 2-3

hours (70°F/50%RH). When membrane is dry to the touch, spread a second coat (20-30 mils (0.5-0.75mm) wet) of LATICRETE® 9237 Waterproofing Membrane over the entire surface. Allow membrane to dry 3-4 hours (70°F/50%RH). Tile can be installed using a LATICRETE® fortified mortar when membrane is dry to the touch.

**Note: To ensure proper application thickness, use a wet film thickness gauge to spot check coated area. Cover thin areas with liquid membrane after checking.**

**For Crack Suppression:** Treat hairline shrinkage cracks (up to 1/8" (3 mm)) in concrete and cement terrazzo. Apply a liberal coat of 9237 approximately 4" (10cm) each side of crack. Embed 6" (15cm) wide reinforcing fabric and press firmly with brush or roller to allow complete "bleed through" of liquid. Top-coat fabric with LATICRETE® 9237 Waterproofing Membrane. Tile can be installed when membrane is dry to the touch.

### **Cleaning**

A clean tool with water while liquid is still wet.

### **Protection**

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 24 Hours at 70°F (21°C) and 50% RH.

### **Flood Testing**

Allow membrane to cure fully before flood testing, typically 7 days after final cure at 70°F (21°C) and 50% RH. Cold and/or wet conditions will require a longer curing time prior to flood testing.

### **Installing Finishes**

Once LATICRETE 9237 has completed curing time of 7 days, ceramic tile, stone or brick may be installed by the thin bed method with a LATICRETE Latex Thin-Set Mortar. Do not use solvent-based adhesives directly on LATICRETE 9237.

### **Drains & Penetrations**

Use silicone sealant and foam backer rod to seal space between drain or penetration and finish. 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.

### **Movement Joints**

Ceramic tile, stone and thin brick installations must include expansion 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 described in the Tile Council of North America, Inc. (TCNA) Handbook Installation Method EJ171. Use silicone sealant and backer rod.

#### **NOTE:**

- Keep the pack of Laticrete 9237 away from the direct sun light before use.
- Do not add other aggregates or hydraulic binders to this product.
- If the material is already hardening while application, do not attempt to restore workability by adding water or any liquids.
- Apply second coat after First coat is dry to touch across (90° to) the direction of the first coat.

#### **Limitations:**

- •Not a wearing surface - install tile, mortar bed latex fortified plasters or covers with protection board.
- •Do not expose to direct ultraviolet (UV) light for longer than 30 days.
- •Check with local building codes before using as a shower pan liner.
- •Do not apply too thick; dry thickness should not exceed 80 mils (.080 inch, 2mm).
- •Not designed for direct use over expansion joints, control joints or structural cracks.
- •Not designed for use as an exterior primary roofing membrane over occupied space.
- •Cold, damp weather will slow the cure of LATICRETE® 9237 Waterproofing Membrane. Do not install when temperatures are below 40° F (5° C).

## CUSTOMER CARE

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