



**For the Builders
of a Better World™**

Anti-Fracture Membrane Fabric

Anti-Fracture Membrane Fabric is a thin, flexible non-woven fabric designed for use specifically with LATICRETE waterproofing membranes. The Anti-Fracture Membrane Fabric adds strength to load-bearing waterproofing membranes specifically for special requirements of ceramic tile, stone and brick installations. 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



FEATURES/BENEFITS

- Required for use with HYDRO BARRIER™ in coves, corner and changes of plain for waterproofing applications
- Can be used with HYDRO BAN® for added strength
- High density fabric, 100g/m²
- Interior and exterior use
- Vertical and horizontal surfaces (including ceilings)
- Provides added strength to installation areas with added stress

PACKAGING

Fabric (big roll) : 1m x 20m / roll
Pre-cut Fabric (small roll) : 200mm x 20m / roll

MANUFACTURER

LATICRETE (Malaysia) Sdn Bhd
#18-08, Faber Tower 2, Jalan Desa Bahagia,
Taman Desa,
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Tel: +603 7989 9188 Fax: +603 7972 0331
Website: <https://ma.laticrete.com>

SUITABLE SUBSTRATES

- | | |
|----------------------------|--------------------------|
| ▪ Concrete | ▪ Exterior Glue Plywood* |
| ▪ Concrete & Brick Masonry | ▪ Gypsum Wallboard* |
| ▪ Cement Mortar Beds | ▪ Cement Terrazzo** |
| ▪ Cement Plaster | ▪ Cement Backer Board*** |

*Interior use only

**If skim coated with LATICRETE® Latex Thin-set Mortar

***Consult cement backer board manufacturer and LATICRETE Technical Department for specific installation recommendations and to verify acceptability for exterior use

USES

- Swimming pools, fountains & water features
- Shower pans, stalls and tub surrounds
- Industrial, commercial and residential bathrooms and laundries
- Spas and hot tubs
- Kitchens and food processing areas
- Terraces and balconies over unoccupied spaces
- Countertops and facades
- Steam rooms (when used with vapour barrier)

Approximate Coverage

See data sheets for the specific Waterproofing Membrane being used

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures $> 0^{\circ}\text{C}$ and $< 40^{\circ}\text{C}$

Limitations

- DO NOT use with LATICRETE waterproofing membrane as a primary roofing membrane over occupied space
- DO NOT use with a LATICRETE waterproofing membrane over expansion joints, structural cracks or cracks with vertical differential movement
- DO NOT use with a LATICRETE waterproofing membrane over cracks $> 3\text{mm}$ in width
- DO NOT use with a LATICRETE waterproofing membrane as a vapor barrier (especially in steam rooms)
- Not for use with a LATICRETE waterproofing membrane directly over OSB, particle board, luan, Masonite, or hardwood floors
- Use white mortar for white or light-colored marble or stone
- DO NOT expose unprotected LATICRETE waterproofing membrane to sun or weather for > 30 days
- DO NOT expose LATICRETE waterproofing to negative hydrostatic pressure, excessive vapor transmission, rubber solvents or ketones
- LATICRETE waterproofing membrane must be covered with ceramic tile, stone, brick, concrete, screeds, terrazzo or other traffic-bearing course. Use protection board for temporary cover
- Obtain approval by local building code authority before using LATICRETE waterproofing membrane in shower pan applications
- Do not install LATICRETE waterproofing membrane directly over single layer wood floors, plywood tubs/showers/fountains or similar constructs

Note: Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile, thin brick and similar finishes. Substrate deflection under all live, dead and impact loads, including

concentrated loads, must not exceed $L/360$ for thin bed ceramic tile/brick installations or $L/480$ for thin bed stone installations where L = span length

Cautions

Consult specific LATICRETE® waterproofing membrane MSDS for more safety information. Protect from traffic or water until fully cured

TECHNICAL DATA

Applicable Standards

See the individual LATICRETE waterproofing membrane data sheets for specific technical data

INSTALLATION

Surface Preparation

Surface temperature must be between 5°C to 40°C during application and for 24 hours after installation for installations of HYDRO BAN or HYDRO BARRIER. 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 6mm in 3m with no more than 1.5mm in 0.3m 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 the concrete substrate should not exceed 2.26kg/92.9m² 24hrs. per ASTM F-189 or 75% relative humidity as measure with moisture probes.

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: 15mm thick exterior glue plywood, either plain with all sheet edges blocked or tongue and groove, over bridged joints spaced 400mm o.c. maximum; fasten plywood 150mm o.c. along sheet ends and 200mm o.c. along

intermediate supports with 8d ring-shank, coated or hot dip galvanized nails (or screws); allow 3mm between sheet ends and 6mm between sheets edges; all sheet ends must be supported by a framing member; glue sheets to joints with construction adhesive;

UNDERLAYMENT: 15mm thick exterior glue plywood fastened 150mm o.c. along sheet ends and 200mm o.c. in the panel field (both directions) with 8d ring-shank, coated or hot dip galvanized nails (or screws); allow 3mm to 6mm between sheets and 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.

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 5 days @ 21°C and 50% RH

Installing Finishes

Once the LATICRETE waterproofing membrane has dried to the touch, ceramic tile, stone or brick may be installed by the thin bed method with a LATICRETE Latex Thin-Set Mortar. Allow the LATICRETE waterproofing membrane to fully cure as indicated in the specific membrane's product data sheet before covering with concrete, thick bed mortar, screeds, toppings, coatings, epoxy adhesives, terrazzo or moisture sensitive resilient or wood flooring. **DO NOT** use solvent-based adhesives or organic adhesives (mastics) directly on a LATICRETE waterproofing membrane

Drains & Penetrations

Follow the specific LATICRETE waterproofing membrane data sheet for applications around drains and penetrations

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 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 (TCNA) Handbook Installation Method EJ171. Use LATASIL and backer rod

Cleaning

While wet, LATICRETE waterproofing membranes can be washed from tools with water

AVAILABILITY AND COST

Availability

LATICRETE materials are available worldwide

For distributor information, call:

Telephone: +603 7989 9188

Fax: +603 7972 0331

For online distributor information, visit LATICRETE at <https://ma.laticrete.com>

Cost

Contact a LATICRETE distributor in your area

WARRANTY

LATICRETE (Malaysia) Sdn Bhd warrants that Anti-Fracture Membrane Fabric is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of one (1) year from date of purchase subjected to terms and conditions stated

MAINTENANCE

LATICRETE grouts require routine cleaning with a neutral pH detergent and water. All stone and tiles should be maintained and sealed with STONETECH® products as appropriate for the specific tile / stone and installation situation

All other LATICRETE materials require no maintenance, but installation performance and durability may depend on properly maintaining products supplied by other manufacturers

TECHNICAL SERVICE/CONTACT

Technical Assistance

Information is available by calling:

LATICRETE (Malaysia) Sdn Bhd
#18-08, Faber Tower 2, Jalan Desa Bahagia,
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Technical and safety literature

To acquire technical and safety literature, please visit our website at <https://ma.laticrete.com>