



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

Hydrolinate Waterproofing Membrane

Hydrolinate Waterproofing Membrane system for below grade construction is designed to provide flexibility to perform over a wide range of installation technique, weather, substrates and conditions. Hydrolinate is a Reverse-Bonding HDPE (High Density Polyethylene) Sheet Membrane is a high-performance, pre-applied waterproofing system designed for below-grade damp-proofing and waterproofing applications. This advanced membrane features a strong mechanical and chemical bond, integral with freshly poured concrete, ensuring a durable and watertight barrier against groundwater, moisture ingress, and lateral water the structure.



FEATURES/BENEFITS

- Complies with international code of practices
- Achieved Grade 1, 2 and 3 waterproofing protection under BS8102 : 2009
- Pre-applied, completely seals the concrete from water ingress
- Excellent chemical resistance against aggressive elements
- Membrane not affected by ground settlement
- Provides a barrier to underground water, vapour and gas
- Trafficable immediately after installation and ready for immediate placing of reinforcement
- Unaffected by weathering
- Safe and non-hazardous application

USES

- Basement slab and wall
- Civil tunnels
- Earth retaining structure including blind side application etc

MANUFACTURER

LATICRETE South East Asia Pte Ltd
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STANDARDS/CERTIFICATIONS

- | | |
|--------------|---------------|
| ▪ ASTM D412 | ▪ ASTM E96 |
| ▪ ASTM C836 | ▪ ASTM D570 |
| ▪ ASTM E154 | ▪ BS EN 1928 |
| ▪ ASTM D903 | ▪ BS EN 13967 |
| ▪ ASTM D5385 | ▪ ASTM D1970 |



This product has been certified green by the Singapore Green Building Council.

Packaging

Hydrolinate Waterproofing Membrane comes in 30m x 1.20m x 1.20mm per roll.

Coverage

Hydrolinate Waterproofing Membrane can be yield 36.0m².

TECHNICAL DATA**Performance Properties**

| Test | Test Method | Results |
|---|-------------|--------------------------------|
| Tensile Strength | ASTM D412 | L ≥ 30 MPa T ≥ 28 MPa |
| Elongation | ASTM D412 | L ≥ 900% T ≥ 1,000% |
| Peel Strength (Adhesion to Concrete) | ASTM D903 | ≥ 2,300 N/m |
| Hydrostatic Pressure Resistance | ASTM D5385 | No water leakage |
| Puncture Resistance | ASTM E154 | ≥ 1,200 N |
| Lateral Water Migration | ASTM D5385 | No lateral water migration |
| Watertightness Test (7 bar for 24 hrs, Immersion in Saturated for 28 days) | BS EN 1928 | No leakage |
| Defomation under Load | BS EN 13967 | <2% |
| Flexibility at Low Temperature | ASTM D1970 | No visible signs |
| Water Absorption | ASTM D570 | <0.5% |
| Water Vapor Transmission | ASTM E96 | 0.25 g/(m ² .24hrs) |
| Crack Bridging | ASTM C836 | No Crack |

*Results shown are typical but reflect test procedures used. Actual field performance will depend on the type of tile/stone/brick used, installation methods and site conditions.

INSTALLATION**Horizontal application****Application on Slabs, Footings, Podium Decks**

- Unroll the Hydrolinate Waterproofing Membrane with the adhesive or bonding side facing upward.
- Overlap seams as per the manufacturer's specifications (typically 75mm).
- Use heat welding or pressure bonding to ensure a watertight seal at overlaps.
- If required, apply a sealing tape at joints to enhance adhesion.
- Ensure proper detailing around penetrations (e.g., pipes, drains) using preformed collars or liquid waterproofing.
- Once installed, immediately place reinforcement and concrete to activate the mechanical bond between the membrane and fresh concrete.

Vertical application for confine space**Application on Retaining Walls, Basement Walls, Pile Caps**

- Secure the Hydrolinate Waterproofing Membrane to the wall using temporary adhesive or fasteners at the top.
- Allow the membrane to drape down and adhere naturally.

- Ensure overlaps follow manufacturer's guidelines, sealing with pressure, heat welding, or adhesive tape.
- Use preformed corner pieces or sealant for inside/outside corners.
- At the base, integrate the vertical and horizontal membranes to maintain a continuous waterproofing barrier.
- Protect the membrane with drainage boards or protection boards before backfilling.
- Ensure proper detailing around penetrations (e.g., pipes, drains) using preformed collars or liquid waterproofing.
- Once installed, immediately place reinforcement and concrete to activate the mechanical bond between the membrane and fresh concrete.

Vertical application with working space

For application onto external side of retaining wall with working space, use Hydro Stick On Waterproofing Membrane post application. The surface of the substrate to be applied shall be clean, dry and free from contamination. Remove the plastic release liner and adhere the membrane directly onto the concrete substrate. Overlap subsequent sheet by 75mm for both side and end laps.

Pouring of concrete

Ensure all the plastic released liners are removed from the Hydrolinate Waterproofing Membrane. It is recommended that the concrete be poured within 48 days after the complete removal of the release liner.

AVAILABILITY AND COST**Availability**

LATICRETE and LATAPOXY materials are available worldwide. For distributor information, call:

Telephone: (65) 6515-3028

Fax: (65) 6515-3037

For on-line distributor information, visit LATICRETE at se.laticrete.com

Cost

Contact a LATICRETE Distributor in your area.

WARRANTY

LATICRETE South East Asia Pte Ltd warrants that Hydrolinate Waterproofing Membrane 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 subject to the terms and conditions stated in Data Sheet.

TECHNICAL SERVICES/ CONTACT**Technical Assistance**

Information is available by calling:

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Technical and safety literature

To acquire technical and safety literature, please visit our website at
se.laticrete.com

Disclaimer

LATICRETE is not responsible for product use beyond its intended application. Liability is limited to replacing defective materials. We are not responsible for any loss or damage resulting from improper use. Product specifications are subject to change without notice. For the most up-to-date information, please visit our website at se.laticrete.com.