

MAPEPROOF™ LIQUID MEMBRANE

TWO-COMPONENT, MONOLITHIC LIQUID WATERPROOFING DETAILING ACCESSORY FOR ABOVE AND BELOW GRADE APPLICATIONS

PRODUCT DESCRIPTION

Mapeproof Liquid Membrane is a two-component, thixotropic, solvent-free, trowel grade membrane, specially designed for multiple uses with Polyglass waterproofing membranes.

Mapeproof Liquid Membrane, forms a continuous and flexible detail accessory to prevent the ingress and migration of water and moisture in the most critical areas of Polyglass waterproofing systems. Use Mapeproof Liquid Membrane to seal, fill, or detail Mapeproof AL, Mapeproof AL Pro, or Mapethene LT60 / HT60 membranes.

It's unique sag resistance will virtually eliminate the need to go back and re-tool on critical areas. The extended pot life is perfect for complex jobs, big or small. Ideal for a variety of applications including fillets/reinforcing applications, pile heads, vertical wall terminations, through-wall penetrations, repairs, and transitions.

FEATURES AND BENEFITS

- Excellent tensile and shear strength
- 90 minute pot life for the most complex details
- Cold applied, chemical cure
- Two convenient sizes for jobs big and small

SYSTEM COMPONENTS

- Mapeproof AL/AL PRO Membrane, 46 mil, horizontal and vertical grade high-performance pre-applied waterproofing membrane
- Mapeproof AL Detail Tape (4" and 8" widths), double-sided adhesive tape for watertight detailing
- Mapethene LT 60/HT 60, post-applied waterproofing membrane used in various Mapeproof AL details
- Mapedrain HS, High-strength, high-flow drainage board with protective film
- Mapestrip 25, expanding rubber waterstop for watertight joints and transitions

TECHNICAL DESCRIPTION

Property	Test Method	Result
Workability		90 min
Application temperature range		25°F (-4°C) and rising
Solids Content	ASTM D1644	100%
Tensile strength	ASTM D412	600 psi (4.1 MPa)
Elongation	ASTM D412	240%
Peel Strength to concrete	ASTM D903	25.0 lbf (111 N)

STORAGE AND SHELF LIFE

Shelf life 12 months when stored in original packaging in a dry environment at temperatures between 40°F (4°C) and 90°F (32°C).



PRODUCT DATA

Mapeproof Liquid Membrane is supplied in A+B Kits:

- 39.3 lb (17.8 kg) of A+B units in a 4 gal (15.1 l) pail
- 12.3 lb (5.6 kg) of A+B units in a 1.25 gal (4.7 l) pail

Average coverage on smooth concrete surfaces: 0.006243 lb/ft²/mil (1.2 kg/m²/mm)

WHERE TO USE

- Detailing penetrations
- Pile heads and caps
- Vertical Walls
- Details such as: inside corners, outside corners, end of day terminations, etc
- Repair material on concrete surfaces

PRODUCT CODES

- 2439505 (1.25 gal)
- 2439515 (4 gal)



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ACCESSORY FOR ABOVE AND BELOW GRADE APPLICATIONS

LIMITATIONS

- Do not mix the components (A+B) partially.
- Applications are limited to substrate and ambient temperatures as low as 25°F (-4°C).
- Do not apply Mapeproof Liquid Membrane when rain is imminent.
- Substrates must be dry to the touch. Mapeproof Liquid Membrane is not to be installed on moist surfaces, including ponding/standing water, snow, or ice.
- Substrates must be free of debris. Do not use on dusty and flaky surfaces.
- Substrates must be clean. Do not use on surfaces which are contaminated by oil, grease, or release agents.
- Not intended for permanent UV exposure.
- Use in well-ventilated areas and avoid breathing vapors.

SUITABLE SUBSTRATES AND SURFACE PREPARATION

All surfaces must be dry, sound and free of dust, loose areas, oil, grease, wax and oil paint.

PRODUCT INSTALLATION

- Mapeproof Liquid Membrane is provided in a plastic single pail containing components A and B. Pour component B (smaller one) into component A. Mix with a drill with low rotation speed (<150 RPM) for approximately 2 minutes and a mixing paddle of approx. 2" (5 cm) in diameter without entraining air; avoid partial mixing to ensure the correct ratio between part A and part B. Scrape the sides and bottom of the pail during mixing. After mixing pour from the pail or remove with a trowel.
- Mapeproof Liquid Membrane must be installed at a minimum thickness of 90 mils (2.3 mm). Refer to applicable Polyglass waterproofing details for specific application requirements.
- After the application of Mapeproof Liquid Membrane, wait at least 24 hours before exposing to water.

CLEANING

Mapeproof Liquid Membrane can be removed from surfaces, tools, clothing, with toluene or alcohol before the hardening reaction takes place. After hardening it may be removed mechanically.

CORPORATE HEADQUARTERS

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Product Disclaimer:

For professional use only.

Unless otherwise incorporated into or part of a supplemental manufacturer's warranty, Polyglass warrants its product(s) against manufacturing defects in its product that directly results in leakage for a period of 1 year. Refer to safety data sheet (SDS) for specific data and handling of our products. All data furnished refers to standard production and is given in good faith within the applicable manufacturing and testing tolerances. Polyglass U.S.A., Inc., reserves the right to improve and change its products at any time without prior notice. Polyglass U.S.A., Inc. cannot be held responsible for the use of its products under conditions beyond its own control. For most current product data, detail drawings and warranty information, visit www.polyglass.us



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