

Durex® Dur-O-Lastic Membrane

Composite Sheet Waterproofing Membrane

- Description** Durex® Dur-O-Lastic Membrane is a self-adhering, cold-applied composite-sheet membrane comprised of 1.4 mm (56 mils) of rubberized asphalt integrally bonded to a 0.1 mm (4 mils) film of high-density cross-laminated polyethylene for a minimum thickness of 1.5 mm (60 mils). For ease of application Durex® Dur-O-Lastic Membrane is inter-wound with a disposable silicone-treated release paper. Durex® Dur-O-Lastic Membrane is dark grey to black in colour.
- Uses** Durex® Dur-O-Lastic Membrane is a waterproofing membrane designed to provide moisture protection in a variety of both vertical and horizontal applications, including foundation walls, tunnels and other earth-sheltered structures, plaza decks, mud slabs and other split slab construction, wet rooms and balconies. Durex® Dur-O-Lastic Membrane is appropriate for use in application over masonry, concrete, metal and wood substrates either above or below grade.
- Features**
- Excellent adhesion to a multitude of substrates.
 - Thicker membrane for more protection 1.5 mm (60 mils)
 - Excellent below grade waterproofing membrane.
 - Self-sealing membrane ensuring continuous waterproofing.
 - Available in 36" and 18" roll widths.

TECHNICAL DATA

PHYSICAL PROPERTIES

Coverage 17 m² (185 ft²) based on side laps of 64 mm (2.5 in). For estimating purposes a wastage factor of 3% should be included to account for misaligned laps, reinforcing requirements and repairs.

PERFORMANCE PROPERTIES

PERFORMANCE PROPERTIES	METHOD	RESULT
Color	ASTM D3767 Method A	Dark grey-black
Thickness	ASTM D3767 Method A	1.5 mm (0.060 in) nominal
Flexibility, 180° over 25mm (1 in) mandrel at -43°C (-45°F)	ASTM D1970	Unaffected
Tensile Strength, Membrane Die C modified	ASTM D412	2240 kN/m ² (325 lb/in ²) minimum
Tensile Strength, Film	ASTM D882	34,500 kN/m ² (5,000 lb/in ²) minimum
Elongation, Ultimate Failure of Rubberized Asphalt	ASTM D412	300% minimum
Crack Cycling at -32°C (-25°F), 100 Cycles	ASTM C836	Unaffected
Lap Adhesion at Minimum Application Temperature	ASTM D1876	700 N/m (4 lb/in)
Peel Strength	ASTM D903	1576 N/m (9 lb/in)
Puncture Resistance, Membrane	ASTM E154	222 N (50 lb) minimum
Resistance to Hydrostatic Head	ASTM D5385	60 m (200 ft) of water
Exposure to Fungi in Soil, 16 weeks	GSA-PBS 07115	Unaffected
Permeance	ASTM E96 Method B	2.9 ng/Pa.s.m ² (0.05 perms) max.
Water Absorption	ASTM D570	0.1% maximum

Packaging Durex® Dur-O-Lastic Membrane is available in 20.3 m (67 ft) rolls in a width of 914 mm (3 ft), packaged one roll per carton.

Storage Store Durex® Dur-O-Lastic Membrane where temperatures are not expected to exceed 38°C (100°F). Store away from open flames, heaters, furnace rooms or similar sources of heat. Durex® Dur-O-Lastic Membrane shall be stored on raised platforms and protected from precipitation by use of weatherproof coverings. Do not double stack pallets of membrane.

Application Optimum application temperature range for Durex® Dur-O-Lastic Membrane is -10°C to 38°C (14°F to 100°F). For installations below -10°C consult your Durabond Representative. Ensure that all surfaces are dry smooth and regular, free of all voids, defects and excessive dust. Prime all surfaces to receive Durex® Dur-O-Lastic Membrane using Flex-Seal Primer applied at a rate of between 6 - 8 m²/L (290 - 405 ft²/ imp gal). Refer to Flex-Seal Primer Data Sheet for complete application and handling guidelines.

Horizontal Surfaces: Apply membrane starting at the lowest point of the deck. Remove 2-3 m (7-10 ft) of release paper from the roll and position along chalk line or established starting location. Continue to remove the release paper from the roll thereby dispensing the roll onto the deck. Proceed with subsequent rolls, aligning each with the previous along the lap lines marked on the membrane. Once in place, roll the entire membrane with a 68 kg (150 lb) linoleum roller or carpet-covered, water-filled lawn roller to ensure intimate contact with the substrate. Immediately upon completion and inspection of the installation, lay protection course in place to provide protection of the membrane from punctures and tears resulting from construction traffic, deliberate abuse, spills and prolonged exposure.

Vertical Surfaces: For ease of application, cut membrane into maximum lengths of 2-3 m (7-10 ft) or as required. Provide a chalk line to establish a square start location and establish upper termination point of the application. Remove first 1 m (3 ft) of release paper from the membrane and position along chalk line. Smooth membrane into place applying heavy pressure across its width. Continue to remove release paper, working in a downward direction and smoothing membrane into place. Proceed with subsequent lengths, aligning each with the previous along the lap lines marked on the membrane. Once in place, roll the entire membrane application with a Durabond Membrane Roller to ensure intimate contact with the substrate. In accordance with standard Durabond Installation guidelines, use Flex-Seal Mastic and/or Flex-Seal Liquid Membrane to seal all terminations, lap deficiencies, repair areas and through wall penetrations.

Limitations	Durex® Dur-O-Lastic Membrane is not intended for permanent exposure. Upon completion of the waterproofing installation, membrane shall be protected from direct sunlight. Durex® Dur-O-Lastic Membrane is not intended for installation over excessively rough substrates. For assistance in methods of preparation, consult your Durabond representative. Durex® Dur-O-Lastic Membrane is not in itself an expansion joint system. For detailing of this critical aspect of waterproofing, consult your Durabond representative.
Caution	Refer to the Material Safety Data Sheet for information on the safe handling of Durex® Dur-O-Lastic Membrane and all products within the Durabond Membranes System Line. This information can be provided by contacting Durabond Products Limited.
Health and Safety	For information and advice on the safe handling, storage and disposal of chemical products, refer to the most recent SDS sheet containing physical, environmental, toxic and other safety/materials handling data. For industrial use only. Keep out of reach of children.
Warranty	Durabond warrants this product is free of manufacturing defects, and will replace at no charge, provided it has been applied within 12 months of purchase, it has been installed for uses suitable for this product and in accordance with the manufacturer's instructions.
Technical Services	Technical support is available upon request at info@durabond.com . For the latest version of this data sheet, please visit our website at www.durabond.com , call toll free at 1-877-DURABOND (387-2266) or speak with your Durabond Products Ltd. sales representative.

