

PRODUCT DESCRIPTION:

DUR-O-LASTIC 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

DUR-O-LASTIC is inter-wound with a disposable silicone treated release paper. **DUR-O-LASTIC** is dark grey to black in colour.

PACKAGING:

DUR-O-LASTIC is available in 20.3 m (67 ft) rolls in a width of 914 mm (3 ft), packaged one roll per carton.

USE:

DUR-O-LASTIC 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.

DUR-O-LASTIC is appropriate for use in application over masonry, concrete, metal and wood substrates either above or below grade.

APPLICATION:

Optimum application temperature range for **DUR-O-LASTIC** 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 **DUR-O-LASTIC** 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

TECHNICAL DATA

PROPERTY	TEST METHOD	TYPICAL VALUE
Color	ASTM D 3767 Method A	Dark grey-black
Thickness	ASTM D 3767 Method A	1.5 mm (0.060 in) nominal
Flexibility, 180° over 25 mm (1 in) mandrel at -43°C (-45°F)	ASTM D 1970	Unaffected
Tensile Strength, Membrane Die C modified	ASTM D 412	2240 kN/m ² (325 lb/in ²) minimum
Tensile Strength, Film	ASTM D 882	34 500 kN/m ² (5,000 lb/in ²) minimum
Elongation, Ultimate Failure of Rubberized Asphalt	ASTM D 412	300% minimum
Crack Cycling at -32°C (-25°F), 100 Cycles	ASTM C 836	Unaffected
Lap Adhesion at Minimum Application Temperature	ASTM D 1876	700 N/m (4 lb/in)
Peel Strength	ASTM D 903	1576 N/m (9 lb/in)
Puncture Resistance, Membrane	ASTM E 154	222 N (50 lb) minimum
Resistance to Hydrostatic Head	ASTM D 5385	60 m (200 ft) of water

07130

MOISTURE PROTECTION
COLD APPLIED SELF-ADHESIVE
COMPOSITE SHEET MEMBRANE

TECHNICAL DATA (CONT'D.)

Exposure to Fungi in Soil, 16 weeks	GSA-PBS 07115	Unaffected
Permeance	ASTM E 96 Method B	2.9 ng/Pa·s·m ² (0.05 perms) max.
Water Absorption	ASTM D 570	0.1% maximum

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 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.

COVERAGE:

As supplied in 18.6 m² (200 ft²) rolls **DUR-O-LASTIC** attains an appropriate coverage of

17.2 m² (185 ft²), this based on sidelaps 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.

STORAGE:

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

LIMITATIONS:

DUR-O-LASTIC is not intended for permanent exposure. Upon completion of the waterproofing installation, membrane shall be protected from direct sunlight.

DUR-O-LASTIC is not intended for installation over excessively rough substrates. For assistance in methods of preparation, consult your Durabond representative.

DUR-O-LASTIC is not in itself an expansion joint system. For detailing of this critical aspect of waterproofing consult your Durabond representative.

CAUTION:

Make reference to application Material Safety Data Sheets for information on the safe handling of Flex-Seal Primer and all products within the Durabond Membranes Systems Line. This information can be provided by contacting **Durabond Products Limited**, located in Toronto, Ontario at (416)-759-4474.

DURabond

Manufacturers and Distributors of High Quality Construction Products

55 Underwriters Road, Toronto, Ontario M1R 3B4

Tel: (416) 759-4474 Toll Free: 1-877-DURABOND (387-2266) Fax: (416) 759-4470

Email: info@durabond.com Website: www.durabond.com

C-12