

### DESCRIPTION AND USE

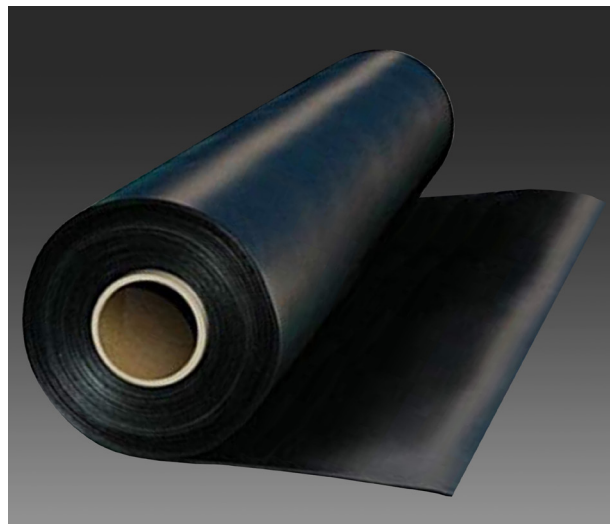
LEXCAN HI-FLEX EPDM STANDARD MEMBRANE is a non-reinforced, cured ethylene propylene diene monomer (EPDM), delivering one of longest roofing membrane service lives available. It combines two layers of membrane to produce a fully cross-linked monolithic membrane. Optional - this membrane is also available with the option of pre-applied seam tape. HI-FLEX EPDM meets or exceeds the requirements of ASTM D 4637, Type I.

### FEATURES AND BENEFITS

**Superior Weatherability** - HI-FLEX EPDM out-performs traditional built-up, modified bitumen and thermoplastic membranes in long-term weatherability. Highly resistant to ozone or ultra-violet deterioration, a properly installed HI-FLEX EPDM roof may well outlast the building it is installed on!

**Flexibility** - HI-FLEX EPDM remains flexible even in extreme temperature climates. Structural expansion or contraction that would crack or tear other roofing materials does not affect EPDM.

**Proven Durability** - HI-FLEX EPDM Roofs have been successfully installed on and protected buildings across Canada, since 1968.



### TECHNICAL DATA

Physical Properties	ASTM Test Method	Standard for ATSM D 4637, Type I	45-mil	60-mil	90-mil
Tensile Strength:	D 412	> = 1305	1686	1456	1604
Elongation, Ultimate (%):	D 412	> = 300	451	411	426
Tensile Set (%):	D 412	< = 10	0.4	0.5	0.4
Tear Resistance (lbf/in.):	D 624	> = 150	185	181	171
Dynamic Puncture Resistance, 5J, Type I:	D 5635	Pass	Pass	Pass	Pass
Static Puncture Resistance, 44.1 lbf, Type I:	D 5602	Pass	Pass	Pass	Pass
Overall Sheet Thickness (in.):	D 751	+/- 10%	Pass	Pass	Pass
Brittleness Point °C (°F):	D 2137	< = - 45 °C (- 49 °F)	Pass	Pass	Pass
Ozone Resistance:	D 1149	Pass	Pass	Pass	Pass
Water Absorption (mass %):	D 471	< = 8	0.55	0.3	0.4
Heat Aged 670 hrs @ 116 °C (240 °F):	D 573				
Tensile Strength (psi):	D 412	> = 1205	1693	1450	1461
Elongation, Ultimate (%):	D 412	> = 200	287	403	284
Tear Resistance (lbf/in.):	D 624	> = 125	149	170	145
Linear Dimensional Change (%):	D1204	+/-1	0.4	0.4	0.4
Weathering Resistance, 540 KJ (m <sup>2</sup> -nm) @ 340 nm:	D 4637 / G 151 / G 155				
Visual Inspection:	-	Pass	Pass	Pass	Pass
Elongation, Ultimate (%):	D 412	> = 200	449	351	394

# HI-FLEX EPDM

## STANDARD MEMBRANE

# LEXCAN

### ENERGY & THE ENVIRONNEMENT

Properties	Value
Reflectivity * (ASTM C 1549)	0.06
Emissivity * (ASTM C 1371)	0.88
Post-consumer Recycled Content	0%
Pre-consumer Recycled Content	0%

\*Test methods for reflectivity and emissivity are LEED - CRRC - approved.

### PACKAGING & COVERAGE

1.1 mm (45-mil), 1.5 mm (60-mil) and 2.3 mm (90-mil)

Roll Sizes	Roll Coverage	45-mil	60-mil	90-mil
14.33 m x 30.48 m (47' x 100')	436.6 m <sup>2</sup> (4700 ft <sup>2</sup> )	✓	✓	✓
3.05 m x 30.48 m (10' x 100')	92.9 m <sup>2</sup> (1000 ft <sup>2</sup> )	✓	✓	✓
5.08 m x 30.48 m (16' 8" x 100')	154.8 m <sup>2</sup> (1667 ft <sup>2</sup> )	-	✓	-
6.1 m x 15.24 m (20' x 50')	92.9 m <sup>2</sup> (1000 ft <sup>2</sup> )	✓	✓	-
6.1 m x 30.48 m (20' x 100')	185.8 m <sup>2</sup> (2000 ft <sup>2</sup> )	✓	✓	-
9.14 m x 30.48 m (30' x 100')	278.7 m <sup>2</sup> (3000 ft <sup>2</sup> )	✓	✓	-
12.19 m x 30.48 m (40' x 100')	371.9 m <sup>2</sup> (4000 ft <sup>2</sup> )	✓	✓	-

### PRODUCT COMPATIBILITY

Hi-Flex EPDM is compatible with the following Application Methods

- Fully Adhered
- Loose Laid and Ballasted

### INSTALLATION

HI-FLEX EPDM is installed by professional roofing contractors trained and approved by Lexcan. Refresher seminars are regularly held to update contractors on the latest techniques and developments. Refer to HI-FLEX EPDM application guides and detail drawings for instructions.

### WARRANTY

Superior installation quality and long-term performance is guaranteed with comprehensive Lexguard warranty packages. To provide the best assurance of a quality installation, projects are normally inspected both during installation and after completion by a LEXCAN technical representative.

# LEXCAN

### SINGLE PLY ROOFING SYSTEMS

Ontario & Western Canada 1.800.268.2889

Quebec & Atlantic Canada 1.800.363.2307

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