

DESCRIPTION AND USE

LEXCAN HI-FLEX EPDM REINFORCED MEMBRANE is a polyester-reinforced, cured ethylene propylene diene monomer (EPDM). It combines two layers of membrane to produce a fully cross-linked monolithic membrane.

Optional - this membrane is available with the option of pre-applied seam tape.

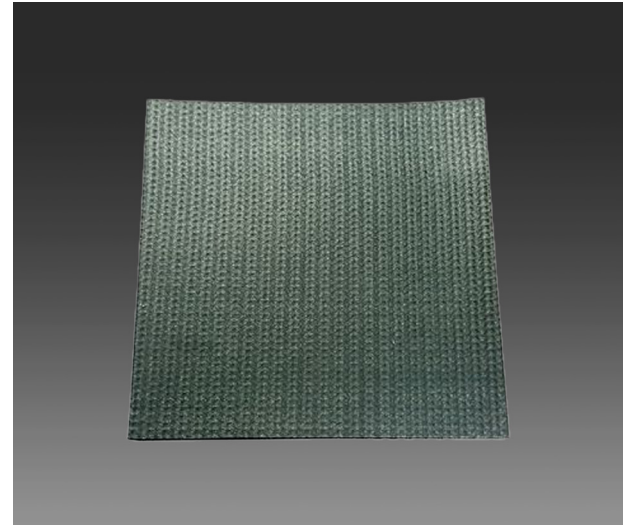
HI-FLEX EPDM REINFORCED MEMBRANE meets or exceeds the requirements of ASTM D 4637, Type II.

FEATURES AND BENEFITS

Tough Polyester Reinforcement - Contributes to excellent puncture and hail resistance.

Superior Weatherability - Highly resistant to ozone or ultra-violet deterioration.

Flexibility - Membrane 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

Tested Physical Properties	ASTM Test Method	Standard for ATSM D 4637, Type II	1.14 mm (45-mil)	1.52 mm (60-mil)	1.91 mm (75-mil)
Breaking Strength (lbf):	D 751 A	> = 90	231	251	287
Elongation at Fabric Break, Ultimate (%):	D 751 A	> = 15	MD 31, XMD 33*	MD 37, XMD 37*	MD 35, XMD 36*
Elongation, Ultimate (%):	D 412	> = 250	429	452	482
Tear Strength (lbf):	D 751 B	> = 10	111	110	104
Dynamic Puncture Resistance, 10J, Type II:	D 5635	Pass	Pass	Pass	Pass
Static Puncture Resistance, 55.1 lbf, Type II:	D 5602	Pass	Pass	Pass	Pass
Overall Sheet Thickness (in.):	D 751	+/- 10%	Pass	Pass	Pass
Thickness Over Scrim, Weathering Side (in.):	D 7635	0.015	0.021	0.026	0.033
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	0.6	0.3	0.1
Heat Aged 670 hrs @ 116 °C (240 °F):	D 573				
Breaking Strength (lbf):	D 751	> = 80	220	232	297
Elongation, Ultimate (%):	D 412	> = 200	286	270	284
Linear Dimensional Change (%):	D1204	< ±1	0.3	0.06	0.02
Weathering Resistance, 5040 KJ (m ² -nm) @ 340 nm:	D 4637 / G 151 / G 155				
Visual Inspection:	-	Pass	Pass	Pass	Pass

*MD=Machine Direction; XMD=Cross-Machine Direction

HI-FLEX EPDM

REINFORCED MEMBRANE

LEXCAN

ENERGY & THE ENVIRONMENT

Properties	Values
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.

APPROVALS & COMPLIANCES

- FM
- UL



PACKAGING & COVERAGE

Roll Sizes	Roll Coverage
3.05 m x 30.48 m (10' x 100')	92.66 m ² (1000 ft ²)

PRODUCT COMPATIBILITY

HI-FLEX EPDM REINFORCED MEMBRANE is compatible with the following Application Methods:

- Fully Adhered
- Loose Laid and Ballasted
- Mechanically Fastened

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.

SINGLE PLY ROOFING SYSTEMS

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Quebec & Atlantic Canada 1.800.363.2307

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