

DESCRIPTION & USE

LEXCAN HI-PRO PVC MEMBRANE is a premium roofing and waterproofing membrane. The membrane is a trilaminate, consisting of two heavy gauge PVC layers internally reinforced with a heavy-duty polyester scrim.

HI-PRO PVC MEMBRANE is available in 1.3 mm (50-mil), 1.5 mm (60-mil) and 2.0 mm (80-mil). Standard colours are white and grey; however, all colours are not available as standard stocked items in all size configurations. Contact LEXCAN for minimums and lead times.

HI-PRO PVC MEMBRANE meets the requirements of ASTM D 4434, Type III.

FEATURES & BENEFITS

Non-wicking Reinforced Polyester Scrim - provides added tensile strength and toughness. Sealant is not required due to the membrane's non-wicking edge.

Chemical Resistant - HI-PRO PVC MEMBRANE can inherently withstand numerous industrial wastes and chemicals, including oils, air conditioning coolants, fuels and grease. Contact LEXCAN to verify the resistance of the membrane to a particular chemical before proceeding with installation.

TECHNICAL DATA

	ASTM Test Method	ASTM Requirements	1.3 mm (50-mil) Result	1.5 mm (60-mil) Result	2.0 mm (80-mil) Result
Breaking Strength, min, N (lbf):	D751	890 (200)	1,068 (240)	1,068 (240)	1,068 (240)
Elongation at Break, min, %:	D751	15	15	15	15
Tearing Strength, min, N (lbf):	D751	200 (45)	200 (45)	200 (45)	200 (45)
Seam Strength, min, % of Breaking Strength:	D751	75	80	80	80
Static Puncture Resistance kg (lbf):	D 5602	Pass @ 15 (33)	Pass	Pass	Pass
Dynamic Puncture Resistance kg (lbf):	D 5635	Pass @ 9.07 (20)	Pass	Pass	Pass
Thickness, min, in:	D 751	+/- 10% from Nominal	0.050 Nominal	0.060 Nominal	0.080 Nominal
Thickness Over Scrim, min, in.:	D 7635	0.016	0.016	0.023	0.036
Change in Weight After Immersion in Water, max, %:	D 570 modified	3.0	3.0	3.0	3.0
Low Temperature Bend, °C (°F)	D 2136	No crack @ -4.4°C (-40°F)	Pass	Pass	Pass
Properties after Heat Aging, min	D 3045	56 days @ 80°C (176°F)			
Breaking Strength, %	D 751	90	>90	>90	>90
Elongation, %	D 751	90	>90	>90	>90
Linear Dimensional Change, max, % after 6 hrs @ 80°C (176°F)	D 1204	0.5	<0.5	<0.5	<0.5
Accelerated Weathering, min	G 151 & G 154	5,000 hrs			
Cracking (@ 7x Magnification)	G 154	No cracks	Pass	Pass	Pass
Discoloration (by observation)	G 154	Negligible	Negligible	Negligible	Negligible
Crazing (@ 7x Magnification)	G 154	No crazing	Pass	Pass	Pass



Reliable Heat-Welded Seams - thermofused, molecularly bonded seams offer high strength and superior reliability.

Energy Saving - white HI-PRO PVC MEMBRANE provides outstanding reflectivity and emissivity.

SINGLE PLY ROOFING SYSTEMS

Ontario & Western Canada 1.800.268.2889

Quebec & Atlantic Canada 1.800.363.2307

Note: The reported values are based on samples tested of this product. The reported values represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations.

ENERGY & THE ENVIRONMENT

Standard		Reflectivity	Emissivity
CCRC®	White	Initial:	0.86
		3 Yr. Aged:	0.82
CA Title 24	White	Pass:	0.86
LEED® (SRI)	White	Initial:	108
		3 Yr. Aged:	84
Recycled Content	Post-Consumer:		0%
	Post Industrial:		0% - 10%

The LEED® Solar Reflectance Index (SRI) is calculated per ASTM E1980.

PACKAGING & COVERAGE

NOTE: All colours not available as standard stocked items in all size configurations. Please call for minimums and lead times.

1.3 mm (50-mil)

Roll Width	Roll Length	Roll Coverage	Colours
1.52 m (5')	30.48 m (100')	46.33 m ² (500 ft ²)	white
3.05 m (10')	30.48 m (100')	92.96 m ² (1,000 ft ²)	white

1.5 mm (60-mil)

Roll Width	Roll Length	Roll Coverage	Colours
1.52 m (5')	30.48 m (100')	46.33 m ² (500 ft ²)	white & grey
3.05 m (10')	30.48 m (100')	92.96 m ² (1,000 ft ²)	white & grey
3.66 m (12')	30.48 m (100')	111.5 m ² (1,200 ft ²)	white & grey

2.0 mm (80-mil)

Roll Width	Roll Length	Roll Coverage	Colours
1.52 m (5')	1.52 m (75')	34.84 m ² (375 ft ²)	white & grey
3.05 m (10')	22.86 m (75')	69.67 m ² (750 ft ²)	white & grey
3.66 m (12')	22.86 m (75')	83.61 m ² (900 ft ²)	white & grey

PRODUCT COMPATIBILITY

HI-PRO PVC MEMBRANE is compatible with the following Application Methods:

- Fully Adhered
- Mechanically Fastened
- Induction Welded (Mechanically Fastened)

INSTALLATION

Refer to HI-PRO PVC MEMBRANE application guides and detail drawings for instructions.

WARRANTY

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