

LEXCAN

# HI-TUFF TPO

## Un-Reinforced Membrane

### DESCRIPTION & USE

Lexcan HI-TUFF TPO Un-reinforced Membrane is a thermo-plastic polyolefin based membrane for flashing details when the use of factory pre-molded flashings is not feasible.

Lexcan HI-TUFF TPO Un-reinforced Membrane is used:

- To create a watertight seal at all roofing penetrations and irregular roof details.
- To reinforce "T" intersections in field seams and seam transitions from horizontal to vertical.

### FEATURES & BENEFITS

**Superior Weldability** - allows for consistent, high-quality seams in penetrations and other critical roof areas.

### TECHNICAL DATA

Properties	ASTM Test	Specification
Tolerance on nominal thickness, %	D 412	+15 / -10
Weight, lb/ft <sup>2</sup> (kg/m <sup>2</sup> ), typical		0.30 (1.5)
Tensile strength, min., Mpa (psi)	D 412 Die C	8.3 (1200)
Elongation, ultimate, min., %	D 412 Die C	600
Tear strength, min., kN/m (lbf/in)	D 624 Die C	43.8 (250)
Ozone resistance, D 1149 No Cracks 168h @ 100 pphm, 50% ext	D 1149	No Cracks
<b>Heat aging: 28 days at 240 °F (116 °C) - D 573</b>		
Tensile strength, min., Mpa (psi)	D 412	6.9 (1000)
Elongation, ultimate, min., %	D 412	500
Tear strength, min., KN/m (lbf/in)	D 624	35.0 (200)
Linear dimensional change, max., %	D 1204	±4
Resistance to Xenon-arc weathering Xenon-Arc, 10080 kJ/m <sup>2</sup> total radiant exposure, visual condition at 10X	G 155 0.70 W/m <sup>2</sup> 80 °C B.P.T.	No Cracks



### LEED INFORMATION

Pre-consumer Recycled Content	0%
Post-consumer Recycled Content	0%
Solar Reflectance Index	N/A

Lexcan HI-TUFF TPO Un-reinforced Membrane is 1.5 mm (60 mil) and is available in rolls 30.48 cm (12") x 1524 cm (50'). Available colours include white, grey and tan.

**Note: Tan color requires a lead time.**

Review the proper Material Safety Data Sheet prior to using the material.

### APPLICATION INSTRUCTIONS

1. HI-TUFF TPO Un-reinforced Membrane is used to flash various roofing penetrations. The specific method for flashing the detail is different for each situation. Consult the appropriate Lexcan detail for installation.
2. Use a lower temperature setting on the hot air welder than when welding the reinforced membrane.
3. Use the edge of the roller to crease the flashing into any membrane step-off areas for a proper seal.