

LEXCAN

# HI-TUFF TPO

## Walkways

### DESCRIPTION & USE

Hi-Tuff TPO Walkway is fabricated from heavy gauge TPO, manufactured with a diamond plate tread pattern on one side to prevent slippage. Side edges are finished in a bright yellow stripe for easy visibility. Hi-Tuff TPO Walkway is supplied in rolls measuring 86 cm (34") wide x 15.24 m (50') long.

Hi-Tuff TPO Walkway is used to protect the Hi-Tuff TPO membrane from possible physical damage in high traffic areas. Walkways are recommended around all traffic concentration points such as roof access hatches, doors and ladders and along regular traffic routes between roof top units that require servicing as frequently as once per month or more. Hi-Tuff TPO Walkway can also be used for membrane protection under sleepers, wood walkways, wooden patio decks, and under gas line bearing pads. For other acceptable uses please contact your Lexcan Technical Representative.

Hi-Tuff TPO Walkway rolls are available in white, grey and tan colours.

### FEATURES & BENEFITS

- Superior weathering package for long term performance
- Diamond plate tread pattern for increased slip resistance
- Bright yellow stripes for easy visibility and to better define the designated traffic flow
- Yellow edges are smooth for easier welding

### TECHNICAL DATA

Property	Standard	Typical Value
Thickness at bottom of Tread		2 mm (80 mil)
Thickness at Yellow Welding Edge		2 mm (80 mil)
Weight / Roll		40 kg (88 lbs)
Dimensional Conformance Thickness, in. (mm)	ASTM D412	Min. = 4.06 mm (0.16") Max = 4.5 mm (0.18")
Density	ASTM D792	Min. = 1.29 g / m <sup>3</sup> (80.5 lbs / ft <sup>3</sup> ) Max = 1.35 g / m <sup>3</sup> (84.3 lbs / ft <sup>3</sup> )
Tensile Strength	ASTM D638	4.1 MPa (600 psi)
Tear Strength	ASTM D624	17.5 kN/m (100 lbf/in)

### CAUTIONS & LIMITATIONS

- Hi-Tuff TPO Walkway rolls are a maintenance item and are not covered under Lexcan warranties.



- Walkways should not be installed within 3 m (10') of a roof edge.

### INSTALLATION INSTRUCTIONS

Hi-Tuff TPO Walkway Rolls can be hot air welded directly to the Hi-Tuff TPO roof membrane using a hand welder or an automatic welder.

1. Surfaces to be welded must be clean, dry and free from dust, dirt, greases or oils. If the surfaces are dusty, dirty or have been exposed for more than two weeks, clean the surfaces with Lexcan Weathered Membrane Cleaner prior to welding.
2. Position walkway pieces in accordance with approved shop drawings. Use chalk lines to create straight path ways.
3. Cut rolls to maximum lengths of 3 m (10'). Leave a gap of 25 mm (1") between pieces to allow for water drainage.
4. Walkways are permanently applied. Leave a minimum gap of 10 cm (4") over field seams to facilitate future inspections or service.
5. Weld the walkway pieces to the membrane on all sides. Generally, the same speed and temperature setting should be used as welding the main membrane.

### SHORT FORM SPECIFICATION

SPEC NOTE: Make selection from choices in square brackets.

Traffic walkways shall be constructed from a 86 mm (34") wide, pre-manufactured [white; grey; tan] heavy gauge TPO walkway, embossed on one side with a slip resistant diamond plate tread pattern and finished with bright stripes along both edges. Nominal tread thickness shall be 4.5 mm (180 mils). Walkway shall be installed in strict accordance with the manufacturer's installation instructions, as per the layout on the [architect; specifier; owner] approved shop drawings.

ACCEPTED PRODUCT: Lexcan Hi-Tuff TPO Walkway