

# FLASH-TITE

## WIRE OUTLET POST COATED WITH HI-TUFF TPO

### DESCRIPTION & USE

FLASH-TITE WIRE OUTLET POST COATED WITH HI-TUFF TPO provides a weather-tite solution for extending flexible wires and cables through low slope roof decks. The TPO coated flange allows for a thermally fused bond/seal to the flashing with the membrane as opposed to a bond/seal with adhesives, primers or mastics. It is ideal for building management systems such as: HVAC, lighting, security, etc.

### FEATURES & BENEFITS

**Thermally fused** - Adhesives, mastics and sealants can break down over time; whereas thermally fused materials are bonded/welded for longer lasting performance.

**Wide Flashing Flange** - For assured adhesion and sealing to the roof membrane.

**Spun Aluminum Base** - Spin formed from a single piece of seamless heavy gauge aluminum for long-term durability.

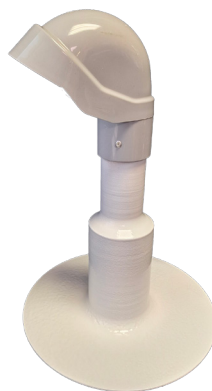
**Balanced Design** - Unlike traditional 'gooseneck' designs, the Post Flashing centers more of the weight directly over the base. This design prevents stress on the roofing membrane caused by the unit leaning too far to one side and reduces pulling tension when fishing wires and cables through.

**Convenient Electricity** - Electrical service, where required, on the roof.

**Factory Insulated** - To resist condensation and minimize thermal break enhancing energy efficiency and maintaining a dry, comfortable environment.

### TECHNICAL DATA

| Base                       |                       |
|----------------------------|-----------------------|
| Metal:                     | Aluminum              |
| Metal Gauge:               | 2.0 mm (0.080")       |
| Height:                    | 300 mm (12")          |
| Pipe Diameter:             | 51 mm I.D. (2")       |
| Flange Width:              | 100 mm (4.0")         |
| Thickness of TPO coating : | min. 0.51 mm (20-mil) |



| Cap Fitting         |                                 |
|---------------------|---------------------------------|
| Polymer:            | Rigid PVC                       |
| Securement to Base: | Blind-end stainless steel rivet |

| Flashing Insulation Material |                   |
|------------------------------|-------------------|
| Polymer:                     | Polyethylene foam |
| Thickness:                   | 13 mm (0.5")      |
| R-Value:                     | 2.2 (4.5 / in.)   |

| Available sizes |           |
|-----------------|-----------|
| Base Height     | Model No. |
| 300 mm (12")    | 3840218   |

This product comes in a standard 51 mm (2") I.D. nominal pipe diameter with a PVC cap that has (5) 3/4" and (1) 1/2" diameter wire pass throughs.

For guidance on extending larger diameter wires and cables, please consult the data sheets for FLASH-TITE CABLE OUTLET POST and ROOF PIPE ENTRY HATCH.

### APPROVALS & COMPLIANCES

All cap fittings are UL listed and CSA certified for wet locations.



### COMMERCIAL BUILDING PRODUCTS

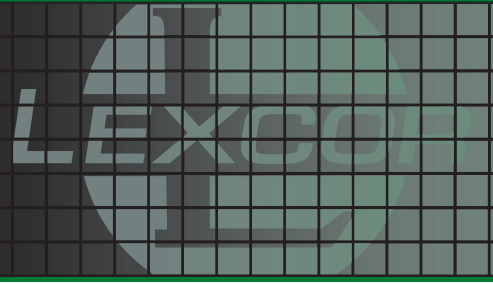
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### INSTALLATION

**Note:** Wire and cable holes through the deck should be positioned at or near roof joists and must comply with proper electrical code.

#### Work by Roofing Contractor

1. Cut hole in structural deck to permit the passage of wires.
2. Install wood blocks around the hole in the deck to support the WIRE OUTLET POST. Wood blocks are to be level with the roof insulation. Leave insulation intact over the hole(s). Ensure that the wood blocks are well secured to the structural deck with appropriate fasteners.
3. Install roofing membrane, extending over the conduit hole. Mark location of hole on roofing membrane.
4. Puncture the vapour retarder, insulation and roof membrane wide enough only to feed the connecting conduit through. Ensure as tight a fit possible.
5. Electrical work is to be done by others as per good electrical practice and standards.
6. If the conduit hole is insufficiently insulated, insert loose batt insulation into the post flange around the connecting conduit.
7. Apply sealant to the base of the post flange and position it on the membrane, centered over the conduit hole. Fasten the base through the roof membrane to the wood blocks using appropriate fasteners (e.g.: LEXGRIP insulation fasteners). Fasteners should be positioned 25 mm (1") in from the outside edge of the flange, on 152 mm (6") centres around the perimeter, or minimum 4 fasteners.
8. Place appropriately sized membrane flashing (TPO target patch) over top of the post flange, minimum 152.4 mm (6") past the flange on all sides, cut hole at the center of the target patch to the appropriate size.
9. Fully weld the target patch to the flange and field sheet.
10. Check welds with seam probe to ensure no voids.
11. Apply CUT-EDGE SEALANT, as required.
12. Apply roof membrane flashing in accordance with the membrane manufacturer's directions and good roofing practice.

### SPECIFICATION

#### FLASH-TITE WIRE OUTLET POST COATED WITH HI-TUFF TPO

**Spec Note:** Delete inappropriate choices from within square brackets [ ].

1. WIRE OUTLET POST Flashing: Wire(s) shall be extended through the roof deck and flashed to the roof membrane with the WIRE OUTLET POST. Flashing shall consist of 2.0 mm (0.080") seamless spun aluminum, with a minimum TPO (Thermoplastic Polyolefin) coat thickness of 0.51 mm (20-mil), insulated with polyethylene foam with a minimum R-value of 2.2, and a rigid PVC Cap. Post flashing shall be installed by the roofing contractor in strict accordance with the flashing's installation instructions. All other electrical work shall be completed by the electrical contractor.
2. ACCEPTED PRODUCT: FLASH-TITE WIRE OUTLET POST COATED WITH HI-TUFF TPO, by LEXCOR, distributed by Lexsuco Corporation ([www.lexsucocorporation.com](http://www.lexsucocorporation.com), Tel: 800.268.2889, E-Mail: [info@lexsucocorp.com](mailto:info@lexsucocorp.com)).

### WARRANTY

This product's lifetime warranty ensures it remains free from manufacturing defects and will perform its intended function throughout the entire lifespan of the roofing system.



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