



Thermoplastic Single Ply and Multi-Ply Roofing Systems

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FLEX TPO PLUS EXTENSION LEGS **TECHNICAL DATA SHEET**

GENERAL:

Flex TPO Extension Legs are designed for use with the Flex TPO Molded Sealant Pocket to extend the sealant pocket by increments of ten inches. Fabricated from 45-mil thick TPO reinforced membrane and TPO coated metal, the Flex Extension Legs can be used full length, cut to size for customized lengths or welded to each other for extra long applications. They are packaged 10 legs per carton and available in white.

TYPICAL PROPERTIES AND CHARACTERISTICS:

Size:	14" overall length, 10" installed length
Packaging:	10 per carton
Weight (per box):	6 lbs.
Material:	Reinforced TPO membrane and coated metal
Color:	White

CAUTIONS AND WARNINGS:

1. The walls of the Flex TPO Extension Legs and Sealant Pockets must be a minimum of one-inch from any penetration.
2. Flex TPO Extension Legs are designed to fit both sides of the Sealant Pocket without having a designated left or right part.
3. Clean Flex TPO Extension Legs, Sealant Pocket, TPO membrane and the penetration(s) prior to use with Flex Weathered Membrane Cleaner. Primer pads must be used if the membrane has been exposed for an extended period of time. **Apply Primer to the TPO membrane and penetration(s) surfaces only. Do not apply primer to the galvanized metal surface utilized on the inside of the extension leg.**

INSTALLATION:

1. Clean the inside of the Flex TPO Extension Legs and Flex TPO Molded Pockets as well as the areas where the pocket overlaps, the underside of the pocket flange and the deck membrane with Flex Weathered Membrane Cleaner. Use a Primer Pad with the cleaner if the membrane has been exposed for an extended period of time.
2. Place the Flex TPO Molded Pocket and the Flex TPO Extension Legs around the penetration(s), overlapping the two sections of the pocket with the extension legs.

The extension legs must be positioned as follows: the two-inch TPO overlap tab is placed on the topside of the molded pocket and the opposite end (with no welding tab) is placed on the underside of the opposing molded pocket.

3. Cut a piece of cardboard (approximately 4" X 4") and place it under the overlap area to be welded. The cardboard prevents the pocket and extension leg from fusing to the deck membrane when first welding overlaps.
4. Using a hand welder, weld the angle change in the overlap areas at each end of the extension leg. Using the end of a seam probe assists in this process. (The hand-welder temperature setting should be between 5 and 6).
5. Hand-weld the remainder of the horizontal overlaps.
6. Position the molded pocket and extension legs so the vertical overlap is against the penetration. This will allow proper pressure to be applied with the 2-inch silicone roller.
7. Weld all the vertical overlaps starting at the angle change and progressing to the top of the pocket.
8. Make tack-welds on all four sides of the pocket to hold it in place.
9. Weld the entire horizontal flange of the molded pocket and extension legs to the deck membrane. Crease all step-offs with the edge of the silicone roller to avoid water channeling.
10. Using a seam probe, check all spliced for all voids and cold-welds. Make any needed repairs.
11. Apply a thin coat of Primer to the TPO membrane, penetration(s) and around the top rim of the pocket using a small paint brush. **Do not apply Primer to the galvanized metal surface utilized on the inside of the extension leg.**
12. Fill the pocket with Thermoplastic One-Part Sealant. Use an adequate amount of sealant to ensure that contact is made with the top rim of the pocket. One set of Flex TPO Extension Legs welded to a Flex TPO Molded Pocket will require 1 gallon (3.785 liters) of sealant to fill the extended pocket.

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