



Thermoplastic Single Ply and Multi-Ply Roofing Systems

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**FLEX TPO PLUS MOLDED SEALANT POCKET
TECHNICAL DATA SHEET**

GENERAL:

The Flex TPO Plus Molded Sealant Pocket consists of an interlocking, two-piece, injection molded flexible pocket with a rigid polypropylene vertical wall and pre-formed deck flanges. This product, in conjunction with Flex TPO Plus Primer and Flex TPO Plus Molded Pocket Sealant, is used to waterproof pipe clusters or other odd shaped penetrations on Flex TPO Plus Roofing Systems.

TYPICAL PROPERTIES AND CHARACTERISTICS:

Size:	7.5" by 6" oval (19 cm by 15 cm)
Packaging:	5 pockets/carton
Weight (each):	0.55 lbs. (0.25 kg)
Material:	Non-Reinforced TPO
Color:	White, Gray, Tan

CAUTIONS AND WARNINGS:

1. Temperature of penetration shall not exceed 180°F (82°C).
2. The inside of the sealant pocket and all penetrations must be cleaned with Flex TPO Plus Weathered Membrane Cleaner then coated with Flex TPO Primer prior to filling with sealant.
3. Flex TPO Plus Molded Pocket Sealant must completely fill the sealant pocket.
4. The walls of the sealant pocket must be a minimum of one-inch from any penetration.
5. UV filtering sunglasses are strongly recommended when working on Flex White Reflective Roofing Systems.
6. Store Flex TPO Plus Molded Sealant Pockets in a cool, shaded area and cover with light colored, breathable, waterproof tarpaulins. Flex TPO Plus Molded Sealant Pockets or membrane that have been exposed to the weather for approximately 7 days or longer must be prepared with Flex TPO Plus Weathered Membrane Cleaner prior to hot air welding. (Scotch- Brite pads must be used if the membrane has been exposed for an extended period of time).

INSTALLATION INSTRUCTIONS FOR MOLDED TPO SEALANT POCKETS:

1. Clean the inside of the Flex TPO Plus Molded Sealant Pocket as well as the areas where the pocket overlaps, the underside of the pocket flange and the deck membrane with Weathered Membrane Cleaner. (Use a Scotch Brite Pad with the cleaner if the membrane has been exposed for an extended period of time).
2. Place the Flex TPO Plus Molded Sealant Pocket around penetration(s), overlapping the two sections of the pocket.
3. Cut a piece of cardboard (approximately 4"x4") and place between the overlapping area of the molded TPO sealant pocket and the deck membrane. The cardboard prevents the pocket from welding to the membrane when first welding the overlaps.
4. Using a hand-welder, weld the angle change in overlap area. Using the end of 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 overlap.
6. Repeat steps 4 and 5 to weld the overlap on the other side of the Flex TPO Plus Molded Sealant Pocket.
7. Position the Flex TPO Plus Molded Sealant Pocket so the vertical overlap is against the penetration. This will allow proper pressure to be applied to the overlap with the 2- inch silicone roller.
8. Weld both vertical overlaps starting at the angle change and progressing to the top of the pocket.
9. Make tack-welds on all four sides of the pocket to hold it in place.
10. Weld the entire horizontal flange to the deck membrane.
11. Using a seam probe, check all splices for voids and cold-welds. Make any needed repairs.
12. Apply a thin coat of Flex TPO Plus Primer to the inside and around the top rim of the pocket, to the deck membrane enclosed by the pocket and to the penetration using a small paint brush.
13. Fill the pocket with sealant. Use an adequate amount of sealant to ensure that contact is made with the top rim of the pocket.

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