



# Sure-Weld® TPO

## Molded Sealant Pockets



### Overview

Let Carlisle simplify your next Sure-Weld TPO installation with TPO Molded Sealant Pockets. The Carlisle TPO Molded Sealant Pockets consist of an interlocking, two-piece, injection-molded flexible pocket with a rigid polypropylene vertical wall and pre-formed deck flanges. Pockets can be adjusted from 11 ½" to 7 ½" in length by following the cutting lines molded into the pocket. This product, in conjunction with TPO Primer and White Thermoplastic One-Part Sealant, is used to waterproof pipe clusters or other odd-shaped penetrations on Sure-Weld TPO Roofing Systems.

Carlisle's Sure-Weld TPO Molded Sealant Pockets are part of the Certified Fabricated Accessory (CFA) program. Certified Fabricated Accessories are the only factory-fabricated TPO accessories that meet the stringent quality tolerances required to be included in a Carlisle warranted roofing system.

TPO Molded Sealant Pockets are interlocking, two-piece, injection-molded weldable pockets and are used to waterproof pipe clusters or other odd-shaped penetrations.

### Features and Benefits

- » Provides substantial labor savings compared to field fabricating a sealant pocket from coated metal or other material
- » Provides a reliable method to permanently waterproof odd-shaped penetrations
- » Professional finished appearance
- » Built-in extension legs provide size flexibility
- » Molded-in-place cutting lines allow for four different Sealant Pocket sizes

### Installation

1. Place the TPO Molded Sealant Pocket around the penetration to determine if reduction of size is required (a minimum of 1" from penetration(s) is needed on any side). Pocket may be adjusted in size by cutting the vertical wall and pre-formed deck flange along any of the molded cutting lines.
2. Clean all the areas of the Molded TPO Sealant Pocket that will be welded (along with all inside surfaces), as well as the deck membrane and penetration(s) with Weathered Membrane Cleaner. Use a Primer Pad with the cleaner if the membrane has been exposed for an extended period of time.
3. Place the TPO Molded Sealant Pocket around penetration(s), overlapping the two sections of the pocket.
4. Cut a piece of cardboard (approx. 4"x4") and place between the overlapping area of the TPO Molded Sealant Pocket and the deck membrane. The cardboard prevents the pocket from welding to the membrane when first welding the overlaps.
5. Using a hand-welder, weld the angle change in overlap area. Using the end of a seam probe assists in this process. The hand-welder temperature setting should be between 5 and 6.
6. Hand-weld the remainder of the horizontal overlap.
7. Repeat steps 4 and 5 to weld the overlap on the other side of the TPO Molded Sealant Pocket.
8. Position the TPO 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" silicone roller.
9. Weld both vertical overlaps starting at the angle change and progressing to the top of the pocket.
10. After properly positioning the pocket, make tack-welds on all four sides of the flange to hold it in place during the final welding process.
11. Weld the entire horizontal flange to the deck membrane.
12. Once completely cool, using a seam probe, check all splices for voids and cold-welds. Make any needed repairs.
13. Apply a thin coat of TPO 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.
14. Fill the pocket with sealant. Use an adequate amount of sealant to ensure that contact is made with the top rim of the pocket.

*Review Carlisle specifications and details for complete installation information.*

# Sure-Weld TPO

## Molded Sealant Pockets

### Precautions

- » Temperature of penetration shall not exceed 160°F (71°C).
- » The inside of the sealant pocket and all penetrations must be cleaned with Weathered Membrane Cleaner then coated with TPO Primer prior to filling with sealant.
- » Carlisle's White Thermoplastic One-Part Sealant must completely fill sealant pocket.
- » The walls of the sealant pocket must be a minimum of 1" from any penetration.
- » UV filtering sunglasses are strongly recommended when working on Sure-Weld Roofing Systems.
- » Store sealant pockets in a cool, shaded area and cover with light-colored, breathable, waterproof tarpaulins. Pre-fab Sealant Pockets or membrane that have been exposed to the weather must be prepared with Weathered Membrane Cleaner prior to hot-air welding. Primer pads must be used if the membrane has been exposed for an extended period of time.

### Typical Properties and Characteristics

|               |  |
|---------------|--|
| Size          | 11.5" - 7.5" by 6" oval (29 cm - 19 cm by 15 cm) |
| Packaging     | 5 Pockets/Carton                                 |
| Weight (each) | 0.75 lbs (0.34 kg)                               |
| Material      | Injection-Molded TPO                             |
| Color         | White, Gray, Tan                                 |

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.