



## CARLISLE'S **SURE-WELD® PREFABRICATED SEALANT POCKETS**



### Overview

Let Carlisle simplify your next Sure-Weld TPO installation with Prefabricated Sealant Pockets. Carlisle Sure-Weld TPO Prefabricated Sealant Pockets consist of a two-piece, prefabricated design that utilizes reinforced TPO membrane and coated metal to form a rigid, oversized sealant pocket. A weldable horizontal deck flange is fabricated from reinforced TPO membrane. The vertical wall consists of reinforced TPO membrane pre-welded to coated metal. White One-Part Sealant is used to fill the pocket to create a watertight seal. The Prefabricated Sealant Pocket can be increased in length by adding Pocket Extensions to each side of the pocket.

Carlisle's Sure-Weld TPO Prefabricated 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.

### Intended Uses

These pockets are designed to waterproof large penetrations such as I-beams and large clusters of 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 waterproof large, odd-shaped penetrations

- Size may be enlarged with the use of Sure-Weld Pocket Extensions
- Professional finished appearance

### Installation

1. Clean the inside surfaces of the TPO Prefabricated Sealant Pocket, the underside of the deck flange and the deck membrane with 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 TPO Prefabricated Sealant Pocket around the penetration(s), overlapping the two sections of the pocket.
3. Cut a piece of cardboard (approximately 4" x 4") and place between the overlapping area of the TPO Prefabricated Sealant Pocket and the deck membrane. The cardboard prevents the pocket from fusing to the membrane when first welding the overlaps.
4. 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 6 and 7.)
5. Hand-weld the remainder of the horizontal overlap.
6. Position the TPO Prefabricated 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.
7. Weld both vertical overlaps, starting at the angle change and progressing to the top of the pocket.
8. Once the vertical overlaps are complete, re-position the pocket and tack weld the flange to the membrane to hold it in place.
9. Weld the entire horizontal flange to the deck membrane.
10. Using a seam probe, check all splices for voids and cold-welds once the flashing has thoroughly cooled. Make any necessary repairs.
11. Apply a thin coat of TPO Primer to the TPO membrane and penetration(s) surfaces only using a small paintbrush. Do not apply TPO Primer to the galvanized metal surface utilized on the inside of the sealant pocket.
12. Fill the pocket with White One-Part Sealant. Use an adequate amount of sealant to ensure that contact is made with the top rim of the pocket.



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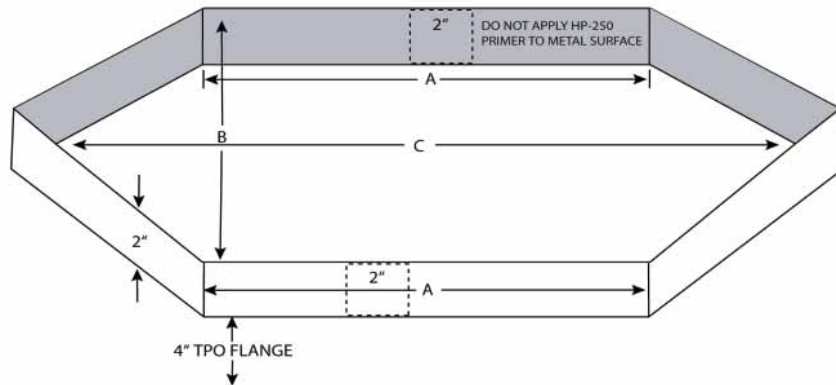
### Precautions

1. Temperature of penetration shall not exceed 160°F (71°C).
2. Apply TPO Primer to the TPO membrane and penetration(s) surfaces only. Do not apply TPO Primer to the galvanized metal surface utilized on the inside of the sealant pocket.
3. Carlisle's White One-Part Sealant must completely fill sealant pocket.
4. The walls of the sealant pocket must be a minimum of 1" from any penetration.
5. UV-filtering sunglasses are strongly recommended when working on Sure-Weld Roofing Systems.
6. Store sealant pockets in a cool, shaded area and cover with light-colored, breathable, waterproof tarpaulins. Prefabricated 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.)

### Prefabricated Sealant Pockets

#### Typical Properties and Characteristics

Sizes and Dimensions	See drawing and table below
Packaging	2 pockets/carton
Weight (each carton)	12'–3.0 lbs (1.36 kg) 16'–4.0 lbs (1.81 kg) 20'–5.0 lbs (2.27 kg)
Material	Reinforced TPO and coated metal
Color	White
Volume (Less Penetration)	12'–1.87 gallons (7.1 liters) 16'–2.77 gallons (10.5 liters) 20'–3.81 gallons (14.4 liters)



Pocket Size	Dimensions		
	A	B	C
12' (30.48 cm)	12' (15.24 cm)	12' (30.48 cm)	24' (60.96 cm)
16' (40.64 cm)	12' (15.24 cm)	16' (40.64 cm)	28' (71.12 cm)
20' (50.8 cm)	12' (15.24 cm)	20' (50.8 cm)	32' (81.28 cm)

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