



# Sure-Weld<sup>®</sup> TPO

## Split Pipe Seals



### Overview

Carlisle's Sure-Weld TPO Split Pipe Seals are prefabricated flashings made from specially designed 60-mil reinforced TPO Detail Membrane that allows for the elimination of T-Joint Covers at crossovers. Designed to fit pipes ranging from 1" (25.4 mm) to 6" (152.4 mm) in diameter, TPO Split Pipe Seals can be used to wrap round pipes with obstructions that would prevent the use of a standard pre-molded pipe seal.

TPO Split Pipe Seals are available in standard white and are packaged 8 per carton. Each carton also contains 8 universal clamping rings. Additional sizes and colors are available on a special-order basis.

Carlisle's TPO Split Pipe Seals 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.

### Features and Benefits

- » Special, more flexible TPO Detail Membrane allows for the elimination of T-Joint Covers at crossovers
- » Simplifies the contractor's job when flashing a pipe with an obstruction
- » Easier to work with in colder temperatures
- » Required on 25- or 30-year warranties

### Productivity Boosting Features and Benefits:

- » Up to 60% labor savings compared to traditional field fabrication
- » Quick and simple installation with no stretching required
- » Provides a consistent, finished appearance



### Installation

Confirm the outside diameter of the pipe to be flashed as most pipe sizes refer to inside diameter. TPO Split Pipe Seals indicate the maximum outside diameter they will fit, not the size pipe they will fit. For example, a 2" PVC pipe has a 2 $\frac{3}{8}$ " outside diameter, therefore a 3" Split Pipe Seal is required to fit the 2" inside diameter of the pipe.

Each Split Pipe Seal can fit a pipe with an outside diameter that is 1" smaller than the Split Pipe Seal's stated size. A 3" Split Pipe Seal can fit pipes with a 2" to 3" outside diameter.

1. Wrap the TPO Split Pipe Seal around the pipe until the vertical leg is tight against the outside of the pipe.
2. Mark the pipe around the top of the TPO Split Pipe Seal.
3. Remove the TPO Split Pipe Seal from around the pipe.
4. Install Water Cut-Off Mastic below the mark indicating the top of the installed TPO Split Pipe Seal.
5. Wrap the TPO Split Pipe Seal back around the penetration until the vertical leg is tight against the outside of the pipe.
6. Tack-weld the back edge of the pipe seal's vertical leg, ensuring that good contact is maintained between the TPO Split Pipe Seal and the pipe. This process will hold the TPO Split Pipe Seal in place.
7. Heat-weld the entire width of the vertical overlap. Hand-roll against the outer surface of the pipe to create the pressure necessary to achieve an acceptable weld.
8. Heat-weld the base flange to the deck membrane and complete the horizontal overlap weld.
9. Once the flashing has completely cooled, check all splices for voids and cold welds. Make any needed repairs.

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10. Install a stainless steel universal clamping ring to provide constant compression of the sealant.
11. Apply TPO Cut-Edge Sealant to all edges of the TPO Split Pipe Seal that are located on the horizontal plane. Do not apply the sealant to vertical surfaces.

Review Carlisle specifications and details for complete installation information.

### Precautions

- » Remove all lead and other flashing.
- » Temperature of pipe must not exceed 160°F (71°C).
- » Install a minimum of four fastening plates around pipe penetrations on mechanically fastened systems. Position fastening plates around the penetration so the plates are covered by the TPO Split Pipe Seal flange. A minimum 1½"-wide weld must be maintained around the outer edge of the flange beyond the plates. If fastening plates cannot be installed in a manner to allow a minimum 1½" weld, the plates must be placed outside the pipe seal flange and covered with a heat-welded reinforced TPO overlay.
- » Store pipe seals in a cool, shaded area and cover with light-colored, breathable, waterproof tarpaulins. TPO Split Pipe Seals or membrane that have been exposed to the weather prior to use must be prepared with Weathered Membrane Cleaner prior to hot-air welding.

### Typical Properties and Characteristics

Sizes	1", 2", 3", 4", 5", and 6" O.D. Pipe (25.4, 50.8, 76.2, 101.6, 127.0, and 152.4 mm)
Packaging	8/box
Weight (box)	1" 4 lbs (2 kg) 2" 5 lbs (2 kg) 3" 5 lbs (2 kg) 4" 6 lbs (3 kg) 5" 6 lbs (3 kg) 6" 6 lbs (3 kg)
Material	Reinforced 60-mil TPO Detail Membrane
Color	White (Gray and Tan are available via custom order)

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.

### LEED® Information

Pre-consumer Recycled Content	0%
Post-consumer Recycled Content	0%
Manufacturing Location	Piedmont, SC Eugene, OR
Solar Reflectance Index (SRI)	White:99