

# Pressure-Sensitive Pipe Seals



## Overview

Let Carlisle simplify your next EPDM installation with Sure-Seal® and Sure-White® Pressure-Sensitive (PS) Pipe Seals. PS Pipe Seals are cured, pre-molded EPDM flashings with pre-applied pressure sensitive tape which creates a quick and resilient solution for flashing in roof penetrations.

## Features and Benefits

- » Various Sizes and Color Options
  - Large – Available in black, white, and gray color options. Designed to flash penetrations from 1" to 6" (25mm – 150mm) in diameter
  - Small – Available in black color only. Designed to flash penetrations from ½" to 3" (12mm – 75mm) in diameter
- » PS Pipe Seals have pre-applied SecurTAPE™ on the bottom of the deck flange which affords easy installation and strong membrane bonding
- » Designed to be used with Carlisle's Sure-Seal Black, Sure-Seal Gray, Sure-White, and Sure-Tough™ EPDM membranes as well as Sure-Weld TPO membranes

## Installation

1. Remove all lead and other flashing material.
2. The entire surface where the PS Pipe Seal will be applied must be clean. The adhesive on the back of the PS Pipe Seal will not adhere to dusted or dirty surfaces. Any residual contamination will be detrimental to the bond strength of the adhesive.
3. Remove all foreign material.
  - a. Remove excess mica dust by brooming or wiping with a clean, dry rag or Carlisle HP Splice Wipe.

- b. The use of Weathered Membrane Cleaner may be necessary. This process is essential on membrane that has been exposed for a number of weeks.

Note: Permeation-resistant gloves (that meet ANSI/ISEA 105-2005) are required for hand protection when cleaners or primers are being used.

- c. Allow the membrane to dry thoroughly before proceeding.
4. Cut the PS Pipe Seal above the raised "ring" that is one size smaller than pipe diameter.
5. Pull PS Pipe Seal over pipe until base flange is in contact with the membrane.
6. Mark pipe around the top of the PS Pipe Seal.
7. Pull PS Pipe Seal upwards on pipe until mark on the pipe is visible.
8. Install Water Cut-Off Mastic below the mark, which indicates the top of the installed PS Pipe Seal.
9. Application of HP-250, TPO Primer, or Low-VOC Primer
  - a. Standard Membrane – Apply the primer with a clean HP Splice Wipe (or equivalent). Scrub the area of the membrane (where the PS Pipe Seal is to be applied) in a circular motion to achieve a thin, even coating on the membrane. The properly cleaned/primed area will be uniform in color without streaks and free of globs or puddles.
  - b. Pre-Kleened™ EPDM or TPO Membrane - Roller-apply the primer to the membrane with a short naplength paint roller. The coated area will be free of globs or puddles.
- Note: The use of excessive amounts of primer will not significantly enhance the adhesion of the PS Pipe Seal to the membrane. Use only the amount necessary to obtain 100% coverage of the area where the PS Pipe Seal will be applied.
10. Allow the primer to properly flash off until it does not transfer to a dry finger touch. Install the PS Pipe Seal as soon as the primer flashes off to minimize potential dust contamination and promote adhesion in colder weather.
11. Pull PS Pipe Seal back down over pipe and into position.
12. Remove release liner from the tape and with hand pressure press tape to the primed area. Roll splice area with a 2" roller.
13. Install a stainless steel universal clamping ring to the top of the PS Pipe Seal to provide constant compression of the Water Cut-Off Mastic.
14. When a field splice intersects a PS Pipe Seal, install a T-Joint Cover.

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

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## Precautions

- » Remove all lead and other flashing.
- » Temperature of pipe must not exceed 180°F (82°C).
- » Deck flanges of the PS Pipe Seal should not be overlapped, cut or applied over any angle change.
- » Additional membrane securement is required on mechanically fastened roofing systems. Refer to detail MFS-8-A or B.
- » When clamping ring is to be used with a 1" diameter pipe, the following method must be utilized to provide proper clamping.
  - a. Lift the tightening screw and slip the loose end of the clamping ring under this tightening apparatus. A complete circle will now be formed with the metal band.
  - b. Pull the loose end of the clamping ring until a circle with a diameter of approximately 1½" is formed.
  - c. Insert the loose end of the clamping ring under the tightening screw for the second time so a double layer of the metal bands result.
  - d. Flip the tightening apparatus into position and turn the tightening screw until the appropriate clamping pressure is achieved against the sealant and pipe penetration.

## Typical Properties and Characteristics

Physical Property	½" to 3"	1" to 6"
Material	Molded EPDM	Molded EPDM
Color	Black	Black, White, and Gray
Size	½" to 3" (12 mm – 75 mm) pipe	1" to 6" (25 mm – 150 mm) pipe
Packaging	10/carton	10/carton
Weight	7 lbs/carton (3.2 kg)	11 lbs/carton (5 kg)
Shelf Life	1 year	1 year

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	2% (Sure-Seal Black Only)
Post-consumer Recycled Content	0%
Manufacturing Location	Greenville, IL
Solar Reflectance Index (SRI)	N/A