



Thermoplastic Single Ply and Multi-Ply Roofing Systems

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**FLEX TPO PLUS MOLDED PIPE FLASHING
TECHNICAL DATA SHEET**

GENERAL:

The Flex TPO Molded Pipe Boot is an injection molded, pre-formed flashing for pipes 1” to 6” in diameter. Pipe Boots are packaged in boxes of eight and come with universal clamping rings.

TYPICAL PROPERTIES AND CHARACTERISTICS:

Size:	1” to 6” O.D. Pipe
Packaging:	8 per box
Weight (each):	0.55 lbs.
Material:	TPO compound
Color:	White, Gray and Tan

CAUTIONS AND WARNINGS:

1. Remove all lead and other flashing.
2. Temperature of pipe must not exceed 180°F (82°C).
3. Install a minimum of four fastening plates around pipe penetrations. Position fastening plates around penetrations so they are covered by the pre-molded pipe seal flange. A minimum 1.5 inch 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 1.5 inch weld, the plates must be placed outside the pipe seal flange and cover with a reinforced Flex TPO Plus overlay.
4. Install a section of the Flex TPO Plus Reinforced Membrane prior to installing a pre-molded pipe flashing over splice intersection.
5. Store pre-molded pipe seals in a cool, shaded area and cover with light-colored, breathable, waterproof tarpaulins. Flex pipe seals or membrane that has been exposed to the weather for approximately 7 days or longer prior to use must be prepared with Weathered Membrane Cleaner prior to hot air welding.
6. When clamping ring is to be used with a 1 inch diameter pipe, the following method must be utilized to provide proper clamping.
 - 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 metal band.
 - Position the loose end of the clamping ring until a circle with a diameter of approximately 1.5 inches is formed.
 - 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.

- Flip the tightening apparatus into position and turn the tightening screw until the appropriate clamping pressure is achieved against the sealant and pipe penetration.

INSTALLATION:

1. Cut pipe seal adjacent to raised “ring” one size smaller than pipe diameter. (Do not cut off raised “ring”).
2. Pull pipe seal over pipe until base flange is in contact with the membrane.
(Application of heat to the tip portion of the pipe seal may be necessary to allow installation over the pipe).
3. Mark pipe around the top of the pipe seal.
4. Pull pipe seal upwards on pipe until mark on the pipe is visible.
5. Install Water Cut-off Mastic below mark which indicates the top of the installed pipe seal.
6. Pull pipe back down over pipe and into position.
7. Heat weld the pipe seal base flange to deck membrane.
8. Install a stainless steel universal clamping ring to provide constant compression of the sealant.

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