

# PF-150

## MOLDED PENETRATION FLASHING

### DESCRIPTION

PF-150s are specially designed penetration flashing accessories used to maintain waterproofing integrity around small penetrating elements through the waterproofing (nelson studs, rebar, threaded rod, etc.) PF-150's are single piece, durable preformed thermoplastic covers that allow for simple and quick waterproofing flashing installation. PF-150's are used with various CETCO waterproofing membranes including COREFLEX and T80NR.

The PF-150 molded penetration flashing is used for round penetrations with a diameter less than or equal to 50mm (2") (conduit penetrations, utilities, etc). The PF-150 incorporates a molded stepped profiled that is sized for 12.5mm (1/2"), 19mm (3/4"), 25mm (1"), 32mm (1-1/4"), 38mm (1-1/2") and 50mm (2") penetrations. The specially designed profile also incorporates a retaining rib at the end of each segment which is sized to retain a 1/2" pipe clamp, used to secure the PF-150 to the penetrating element.

### APPLICATIONS

The PF-150 can be installed over any small penetrating element. Simple cut the PF-150 off at the appropriate segment to match the diameter of the penetrating element you are detailing. If it happens to be a dimension that is in between the pre-formed segments of the PF-150 simply cut at the next smallest segment, lightly heat with a hand held heat welder and slide over the element. Once heated the PF-150 material will stretch to accommodate diameters between 1/2" and 2".

### INSTALLATION

#### Back Filled Wall and Plaza Deck

##### Applications:

Begin by ensuring the COREFLEX field sheet is tight against penetration to be flashed. For penetrations smaller than 38mm (1-1/2") place a bead of AKWASWELL on the first interior "shelf" of the PF-150. Take care to keep the bead of AKWASWELL on this shelf only and not on the flange that will be hot air welded. For elements larger than 38mm (1-

1/2") place bead of AKWASWELL around the base of the element to be flashed. Using a pair of scissors; cut the PF-150 at the appropriate stepped ring, typically one segment smaller than the diameter of the element to be flashed. With a hand held hot air welder heat the cut end of the PF-150 gradually and gently slide the PF-150 over the protruding penetration, taking caution to keep the PF-150 centered and AKWASWELL intact on first shelf. Push the PF-150 flush with the COREFLEX field sheet. Once in place, with a hot air hand welder, tack-weld the PF-150 flange to the COREFLEX field sheet at the interior of the flange. Working from the interior to the exterior of the flange edge, utilizing a hand held heat welder and silicon roller, completely heat weld the PF-150 flange to the COREFLEX field sheet.

Once welded, place a stainless steel hose clamp around the cut end of the PF-150 and tighten the hose clamp to achieve a loose fit. With the hand held hot air welder, apply heat uniformly around the exterior surface of the PF-150 body, 10-15 seconds max. Gently push the body of the PF-150 towards the base causing the PF-150 to collapse upon itself. Secure the hose clamp tightly not allowing the PF-150 to slide back out to original position.

To complete the detail, tool a bead of CETSEAL around and centered on the cut end of the PF-150 covering the cut end of the PF-150 and terminating onto the penetrating element.

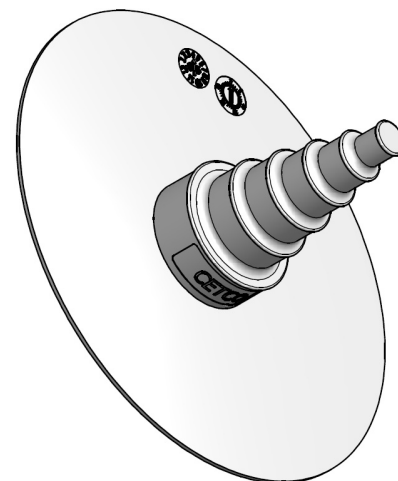
#### Property Line and Underslab Applications

Begin by placing a COREFLASH target patch over the element to be flashed pushing the COREFLASH target patch flush with the substrate (shoring system, mudslab, etc).

Target patch should be a minimum of 250mm x 250mm (10" x 10") to ensure a 100mm (4") overlap of PVC to PVC with the COREFLEX field sheet.

For penetrations smaller than 38mm (1-1/2") place a bead of AKWASWELL on the first interior "shelf" of the PF-150. Take care to keep the bead of AKWASWELL on this shelf only and not on the flange that will be hot air welded. For penetrations larger than 38mm (1-

1/2") place bead of AKWASWELL around the base of the element to be flashed. Using a pair of scissors; cut the PF-150 at the appropriate stepped ring, typically one segment smaller than the diameter of the element to be flashed. With a hand held hot air welder heat the cut end of the PF-150 gradually and gently slide the PF-150 over the protruding penetration so that the flat flange is flush with the COREFLASH target piece. Take caution to keep the PF-150 centered and AKWASWELL intact on interior shelf. With a hot air hand welder, tack-weld the PF-150 flange to the COREFLASH target piece at the interior of the flange. Working from the interior to the exterior of the flange edge, utilizing a hand held heat welder and silicon roller, completely heat weld the PF-150 flange to the COREFLASH target patch utilizing the silicon roller.



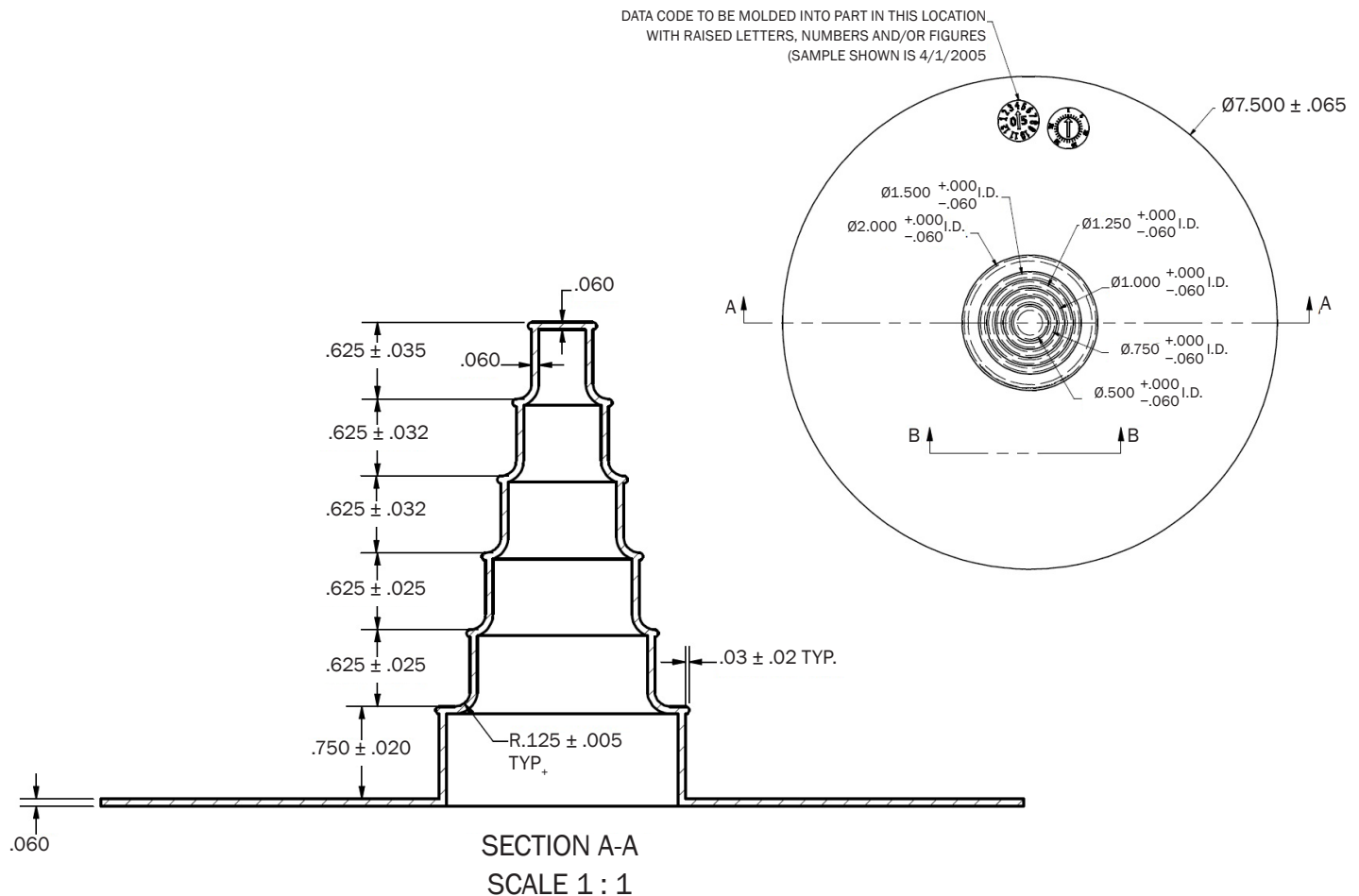
## PF-150 MOLDED PENETRATION FLASHING

Once welded, place stainless steel hose clamp around the cut-end of the PF-150 and tighten the hose clamp to achieve a loose fit. With the hand held hot air welder, apply heat uniformly around the exterior surface of the PF-150 body, 10-15 seconds max. Gently push the body of the PF-150 towards the base causing the PF-150 to collapse upon itself. Secure the hose clamp tightly not allowing the PF-150 to slide back out to original position. Then tool a bead of CETSEAL around and centered on the cut end of the PF-150 covering the cut end of the PF-150 and terminating onto the penetrating element.

When placing the field sheet of COREFLEX around this area, cut a large enough windows around the penetration element to ensure room for a hand held hot air welder or other welding equipment to achieve a uniform efficient weld. Once the COREFLEX field sheet is welded to the COREFLASH target patch cut a CORTEX patch that will fit tightly around the base of the PF-150, while overlapping onto the COREFLEX field sheet a minimum of 100mm (4"). Using CETSEAL adhere the CORTEX patch to the APC of the COREFLEX membrane.

## SIZE AND PACKAGING

The PF-150 is 3- 3/4" tall and the base flange is 7-1/2" in diameter. The OD's of the pre-formed segments (from top to bottom) are 1/2", 3/4", 1", 1-1/4", 1-1/2" and 2". PF-150's are packaged 20 to a box and include 20 small and 20 large stainless steel hose clamps.



North America: [cetco@mineralstech.com](mailto:cetco@mineralstech.com) | [www.cetco.com](http://www.cetco.com)

UPDATED: MARCH 2025 (Supersedes all previous versions)

© 2025 Minerals Technologies Inc. IMPORTANT: The information contained herein supersedes all previous printed versions, and is believed to be accurate and reliable. For the most up-to-date information, please visit [www.cetco.com](http://www.cetco.com). CETCO accepts no responsibility for the results obtained through application of this product. All products are sold on the understanding that the user is solely responsible for determining their suitability for the intended use and for proper use and disposal of the product. CETCO MAKES NO WARRANTY OF MERCHANTABILITY OR SUITABILITY FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH ANY SALE OF THE PRODUCTS DESCRIBED HEREIN. CETCO reserves the right to update information without notice.

FORM: TDS\_PF-150\_AM\_EN\_202503\_V2

**CETCO**  
A MINERALS TECHNOLOGIES COMPANY