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.
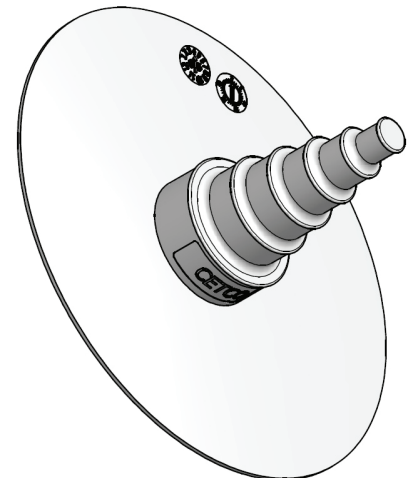
Property Line and Underslab Applications

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.

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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. W ith a h and h eld h ot a ir w elder 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.
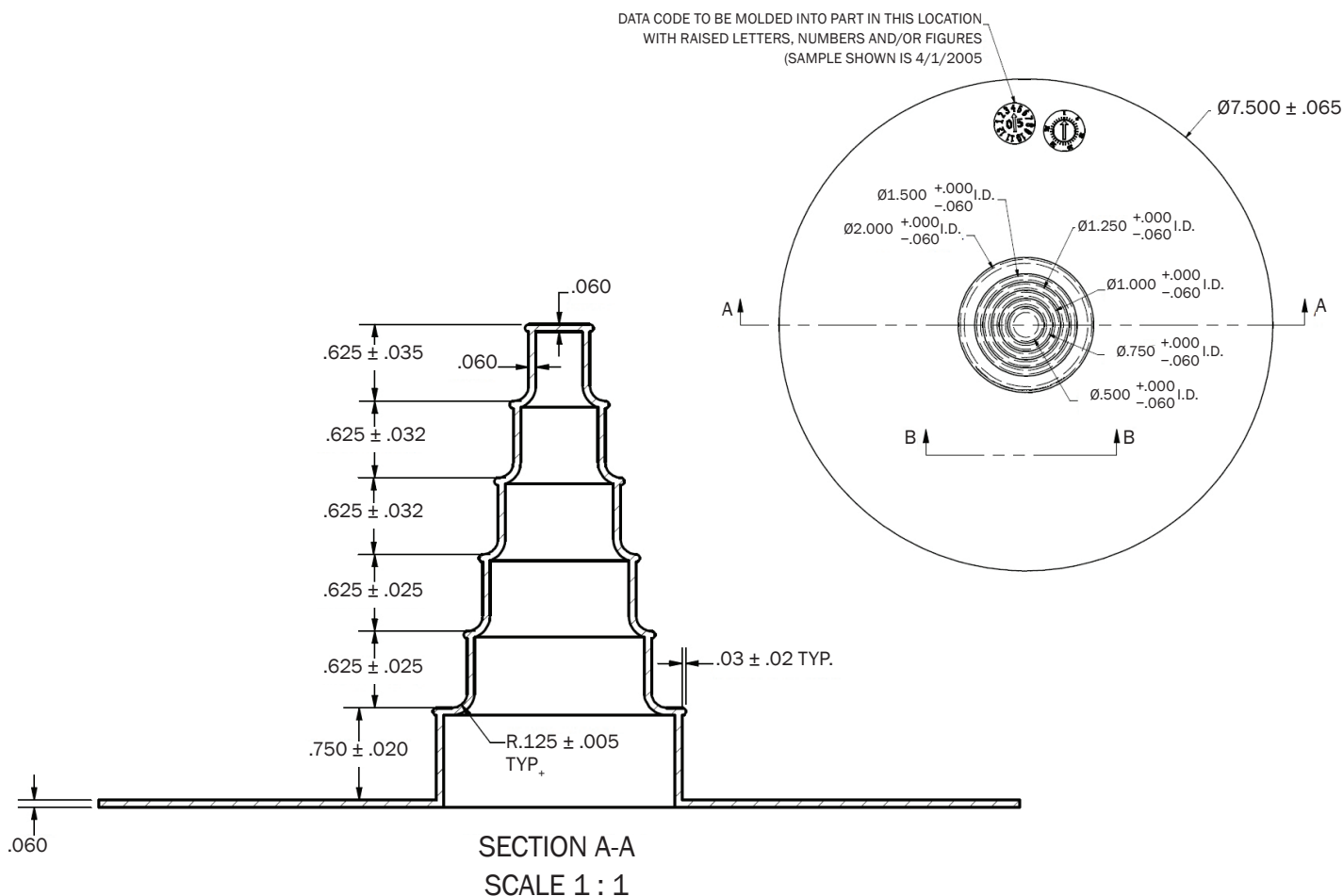
MINERALS TECHNOLOGIES

CETCO®

PF-150
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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.

DATA CODE TO BE MOLDED INTO PART IN THIS LOCATION WITH RAISED LETTERS, NUMBERS AND/OR FIGURES (SAMPLE SHOWN IS 4/1/2005

Ø7.500 ± .065

Ø1.500 $^{+.000}_{-.060}$ I.D.
Ø2.000 $^{+.000}_{-.060}$ I.D.
Ø1.250 $^{+.000}_{-.060}$ I.D.
Ø1.000 $^{+.000}_{-.060}$ I.D.
Ø0.750 $^{+.000}_{-.060}$ I.D.
Ø0.500 $^{+.000}_{-.060}$ I.D.

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.625 ± .032
.625 ± .032
.625 ± .025
.625 ± .025
.03 ± .02 TYP.
.750 ± .020
R.125 ± .005 TYP.
.060

SECTION A-A
SCALE 1 : 1

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