

April 21, 2017

Hilti Firestop Systems

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System No. W-L-2671



3. Firestop System — The firestop system shall consist of the following:

A. Fill, Void or Cavity Material* — Sealant — Min 13 mm (1/2 in.) thickness of fill material applied within annulus, flush with both surfaces of wall assembly.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC - FS-ONE MAX Intumescent Sealant

B. Fill, Void or Cavity Material* — Wrap Strip — Nom 4.8 mm (3/16 in.) thick by 45 mm (1-3/4 in.) wide intumescent wrap strip. Two layers of wrap strip are continuously wrapped around the pipe and held in place with tape. Wrap strips are butted tightly against both sides of the wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC - Hilti CP 648E/1-3/4 Wrap Strip

C. Steel Collar — Collar fabricated from coils of precut min 0.43 mm (0.017 in.) thick (No. 28 MSG) galv steel available from the sealant manufacturer. Collar shall be nom 45 mm (1- 3/4 in.) deep with 25 mm (1 in.) wide by 51 mm (2 in.) long anchors tabs on 51 mm (2 in.) centers for securement to wall assembly. The anchor tabs shall be bent 90 degree outward for securement to the wall assembly. The opposite side incorporates retainer tabs, 13 mm (1/2 in.) wide by 5 mm (3/16 in.) long, prebent toward the pipe surface. Collar shall be tightly wrapped over the wrap strip, overlapping min 25 mm (1 in.) at seam. A nom 13 mm (1/2 in.) wide stainless steel band clamp shall be secured to the collar at its mid-height. Anchor tabs of collar secured to surface of wall by means of nom 5 mm (3/16 in.) diam by 64 mm (2-1/2 in.) long steel toggle bolts in conjunction with 32 mm (1-1/4 in.) diam steel fender washers at every other anchor tab. As an alternate, every anchor tab of collar may be secured to surface of wall by means of nom 32 mm (1-1/4 in.) long steel laminating drywall screws in conjunction with 32 mm (1-1/4 in.) diam steel fender washers. A collar is used on both sides of wall.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



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