

Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. January 22, 2015

## System No. W-L-2335



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

A. Fill, Void or Cavity Materials\* — Sealant — Min 1/4 in. (6 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall.

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

B. Fill, Void or Cavity Material\* — Wrap Strip — Nom 3/16 in. (5 mm) thick by 1 in. (25 mm) wide intumescent wrap strip. Layers of wrap strip are continuously wrapped around the pipe with end held in place with tape. Wrap strip butted tightly against both surfaces of wall. The number of layers of wrap strip and T Ratings are based on the diam of pipe as shown in the following table: HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP648-E W25/1" Wrap Strip

Nom Diam of Pipe, in. (mm)	Number of Wrap Strips	F Ratings, Hr	T Ratings, Hr
1-1/2 to 2 (38 to 51)	2	1 and 2	3/4
3 to 4 (76 to 102)	3	1	1
3 to 4 (76 to 102)	3	2	1-1/2

- C. Steel Collar Steel collar fabricated from coils of precut min 0.016 in. (0.4 mm) thick galv steel available from fill material manufacturer. Collar shall be nom 1 in. (25 mm) deep with 1 in. (25 mm) wide by 2 in. (51 mm) long anchor tabs on 1-3/4 in. (45 mm) centers for attachment to both surfaces of wall. The opposite side incorporates retainer tabs, 1/2 in. (13 mm) wide by 3/16 in. (5 mm) long, pre-bent toward the pipe surface. Collar shall be tightly wrapped over the wrap strip, overlapping min. 1 in. (25 mm) at seam. A nom 1/2 in. (13 mm) wide stainless steel hose clamp shall be secured to the collar at its mid-height. Collar secured to both surfaces of wall by means of nom (1-1/4 in. (32 mm) long steel laminating drywall screws in conjunction with (1-1/4 in. (32 mm) diam steel fender washers. Collar fastened to wall at every other anchor tab.
- \* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. January 22, 2015