

Hilti Firestop Systems

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System No. C-AJ-2035



- E. Chlorinated Polyvinyl Chloride (CPVC) Pipe Nom 152 mm (6 in.) diam (or smaller) IPEX Aquarise SDR 11 CPVC for use in closed (process or supply) piping systems.
- F. XFR 15/50 Polyvinyl Chloride (PVC) Pipe Nom 152 mm (6 in.) diam (or smaller) Schedule 40 solid core PVC pipe for use in closed (process or supply) or vented (drain, waste, or vent) piping systems.
- G. Rigid Nonmetallic Conduit+ Nom 102mm (4 in.) diam (or smaller) Schedule 40 PVC conduit installed in accordance with the National Electrical Code (NFPA No. 70).
- H. Chlorinated Polyvinyl Chloride (CPVC) Pipe —Nom 102 mm (4 in.) diam (or smaller) IPEX Aquarise SDR 21 CPVC for use in closed (process or supply) or vented (drain, waste, or vent) piping systems. The F Rating is 2 hr for this penetrant. The FT and FTH Ratings are 2 hr when this penetrant is used in 51 mm (2 in.) diam or smaller.

Nom Pipe Diam, mm (in.)	Max Diam of Opening, mm (in.)	Max Annular Space, mm (in.)
38 (1-1/2)	54 (2-1/8)	5 (3/16)
51 (2)	67 (2-5/8)	6 (1/4)
76 (3)	102 (4)	13 (1/2)
102 (4)	127 (5)	13 (1/2)
152 (6)	178 (7)	13 (1/2)

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

- A. Fill, Void or Cavity Material* Min 13 mm (1/2 in.) thickness of fill material applied within the annulus, flush with bottom surface of floor or both surfaces of wall. For systems with L Rating, min 1/2 in. (13 mm) thickness of FS-ONE MAX Intumescent Sealant shall be applied within the annulus, flush with top or bottom surface of floor.
- HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC FS-ONE MAX Intumescent Sealant
- B. Firestop Device* Firestop collar shall be installed in accordance with the accompanying installation instructions. Collar to be installed and latched around the pipe and secured to underside of floor or both sides of wall using the anchor hooks provided with the collar. (Minimum 2 anchor hooks for 38 and 51 mm (1-1/2 and 2 in.) diam pipes, 3 anchor hooks for 76 and 102 mm (3 and 4 in.) diam pipes, and 4 anchor hooks for 152 mm (6 in.) diam pipes). The anchor hooks are to be secured with 6 mm (1/4 in.) diam by min 32 mm (1-1/4 in.) long steel expansion bolts, or steel Tapcon® concrete screw anchors, in conjunction with min 19 mm (3/4 in.) diam steel washers with one anchor bolt in each anchor hook. As alternates to the anchors specified above, min 4 mm (0.145 in.) diam by 32 mm (1-1/4 in.) long powder actuated fasteners utilizing a 36 mm (1-7/16 in.) diam by 2 mm (1/16 in.) thick steel washer, Hilti 6 mm (1/4 in.) diam by32 mm (1-1/4 in.) long KWIK-CON II+ concrete screw anchor, Hilti 6 mm (1/4 in.) diam by 44 mm (1-3/4 in.) long KWIK-BOLT 3 steel expansion anchor or Hilti X-DNI 27 P8 S15 powder actuated floor pin with integral nom 15 mm (9/16 in.) diam washer may be used.
 HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC CP 643N 50/1.5", CP 643N 63/2", CP 643N 90/3" CP 643N 110/" or CP 643N 160/6" Firestop Collar

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

+Bearing the UL Listing Mark



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