



XHEZC.SP931 Firestop Systems

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Firestop Systems

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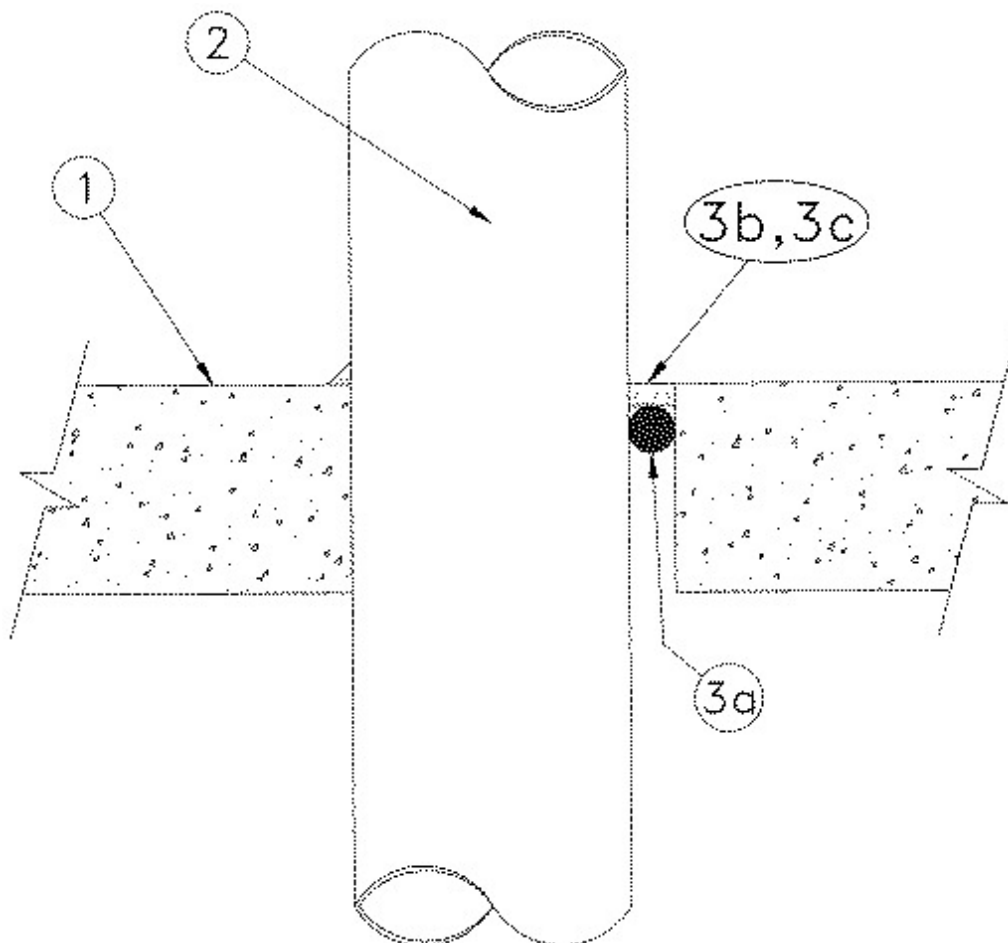
System No. SP931

January 14, 2004

(For Horizontal or Vertical Separations)

F Rating — 2 h

FT, FH and FTH Ratings — 0 h



1. **Floor or Wall Assembly** — Min 115 mm thick reinforced normal-density (2400 kg/m^3) concrete. Wall may also be constructed of nom 200 mm thick concrete block. Max diam of opening is 203 mm. Floor may also be constructed of min 152 mm thick hollow-core precast concrete units having a fire resistance rating equal to or greater than that of the firestop system. Wall may also be constructed of nom 200 mm thick concrete block. Max diam of opening is 203 mm. When precast concrete units are used, max diam of opening is 178 mm.

2. **Pipes or Conduits** — One metallic pipe, conduit or tubing to be installed within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The annular space shall be 0 mm (point contact) to max 51 mm. The following types and sizes of pipes, conduits or tubing may be used:

(a) **Steel Pipe** — Nom 610 mm diam (or smaller) Schedule 10 (or heavier) steel pipe.

- (b) **Iron Pipe** — Nom 610 mm diam (or smaller) cast or ductile iron pipe.
- (c) **Conduit** — Nom 152 mm diam (or smaller) steel electrical metallic tubing or steel conduit.
- (d) **Copper Pipe or Tubing** — Nom 152 mm diam (or smaller) Type L (or heavier) copper tubing.

3. Firestop System Components — (XHJZC).

- (a) **Forming Material** — Min 25 mm diam polyurethane backer rod or min 25 mm thick mineral wool insulation installed within the opening and recessed 25 mm from the surface.
- (b) **Sealants** — Type "A/D Firebarrier Silicone Sealant", caulk grade sealant applied to the top of forming material to a min depth of 25 mm. In floors constructed of hollow-core precast concrete units, sealant installed symmetrically on both sides of floor. Additional material installed to form a crown of min 13 mm at point contact where the pipe contacts the edge of opening. For vertical installations, sealant to be applied symmetrically on both sides of wall.

OR

- (c) **Sealants** — Type "A/D Firebarrier Silicone Sealant SL", for horizontal installations only (with the exception of precast concrete units), applied to the top of forming material to a min depth of 25 mm. Additional caulk grade material (Item 3b) installed to form a crown of min 13 mm at point contact where the pipe contacts the edge of opening.

A/D FIRE PROTECTION SYSTEMS INC

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