



XHEZC.SP881 Firestop Systems

[Page Bottom](#)

Firestop Systems

[See General Information for Firestop Systems](#)

System No. SP881

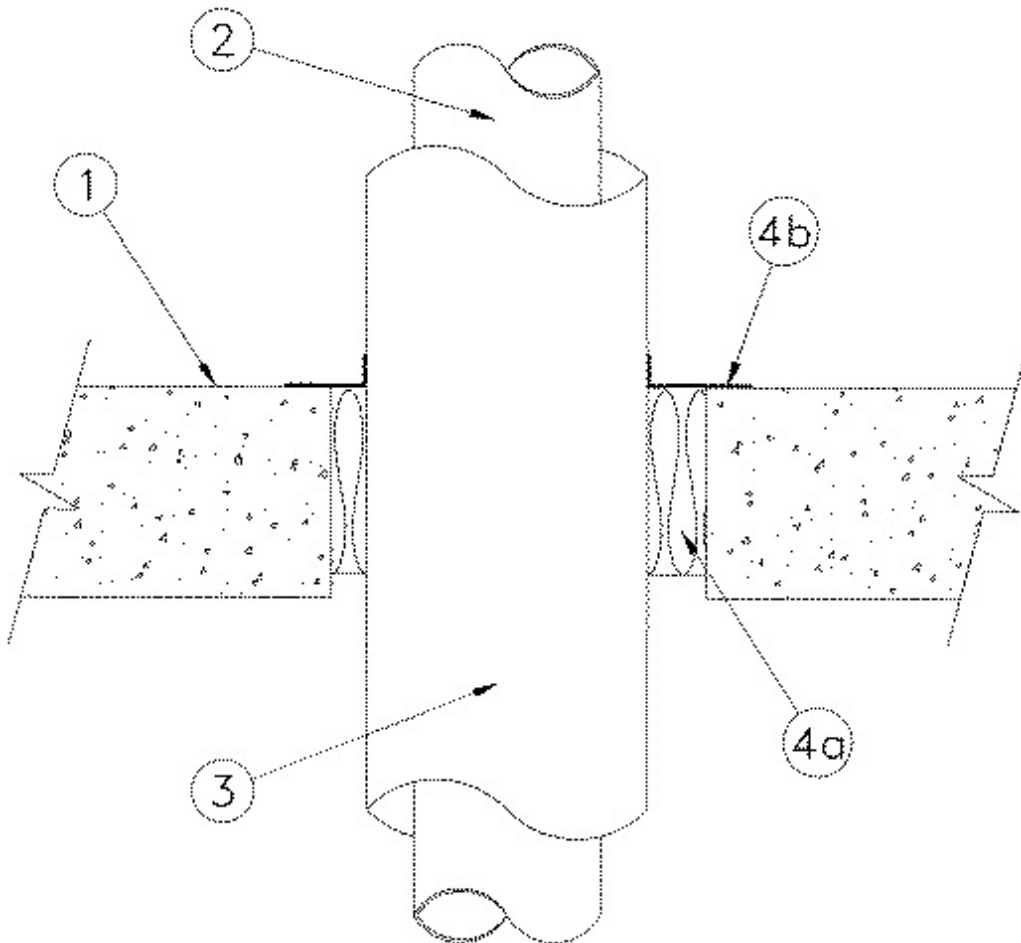
October 04, 2005

(For Horizontal or Vertical Separations)

F Rating — 3 h

FT Rating — 3/4 h

FH and FTH Ratings — 0 h



1. **Floor or Wall Assembly** — Minimum 115 mm thick reinforced low-density or normal-density (1600 - 2400 kg/m³) concrete or precast hollow core floor and/or hollow precast concrete masonry units having a fire resistance equal to or greater than that of the assembly. Wall may also be constructed of nominal 200 mm thick concrete block. Maximum diameter of opening is 203 mm. When precast concrete units are used, maximum diameter 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 19 mm to maximum 29 mm. The following types and sizes of pipes, conduits or tubing may be used:

(a) **Steel Pipe** — Nominal 102 mm diameter (or smaller) Schedule 10 (or heavier) steel pipe.

(b) **Iron Pipe** — Nominal 102 mm diameter (or smaller) cast or ductile iron pipe.

(c) **Conduit** — Nominal 102 mm diameter (or smaller) steel electrical metallic tubing or steel conduit.

(d) **Copper Pipe or Tubing** — Nominal 102 mm diameter (or smaller) Type L (or heavier) copper tubing.

3. **Pipe Insulation** — Pipes (Items 2a, 2b or 2c) to be wrapped with 25 mm thick ULC labelled mineral wool or fibreglass pipe insulation with a nominal 56 kg/m³ density jacketed on the outside with an all service jacket. Longitudinal joints sealed with factory-applied self-sealing lap tape. Transverse joints sealed with butt tape supplied with the product.

■ 4. **Firestop System Components** — (XHJZC).

(a) **Batts and Blankets** — Type "A/D FIREBARRIER Mineral Wool" compressed 33% and installed within the opening to a minimum depth of 100 mm and recessed to allow for the installation of sealants (Item 4b) at the top surface of slab or both sides of wall and hollow-core precast concrete floor.

(b) **Sealants** — Type "A/D FIREBARRIER Seal NS" applied to the top of the mineral wool insulation to a minimum wet depth of 5 mm. In floors constructed of hollow-core precast concrete units, seal installed symmetrically on both sides of floor. Additional material is applied to overlap the concrete by 25 mm and the pipe surface by 13 mm. For vertical installations, sealant to be applied on both side of wall.

OR

Type "A/D FIREBARRIER Silicone Sealant" caulk grade applied over insulation to a depth of 6.4 mm minimum flush with top surface of slab. In floors constructed of hollow-core precast concrete units, sealant installed symmetrically on both sides of floor. For vertical separations, material shall be applied symmetrically on both sides of wall.

OR

For horizontal separations only (with the exception of hollow-core precast concrete floors), Type "A/D FIREBARRIER Silicone Sealant SL" applied over insulation to a depth of 6.4 mm minimum flush with top surface of slab.

A/D FIRE PROTECTION SYSTEMS INC

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[Page Top](#)

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