



XHEZC.SP385 Firestop Systems

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Firestop Systems

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System No. SP385

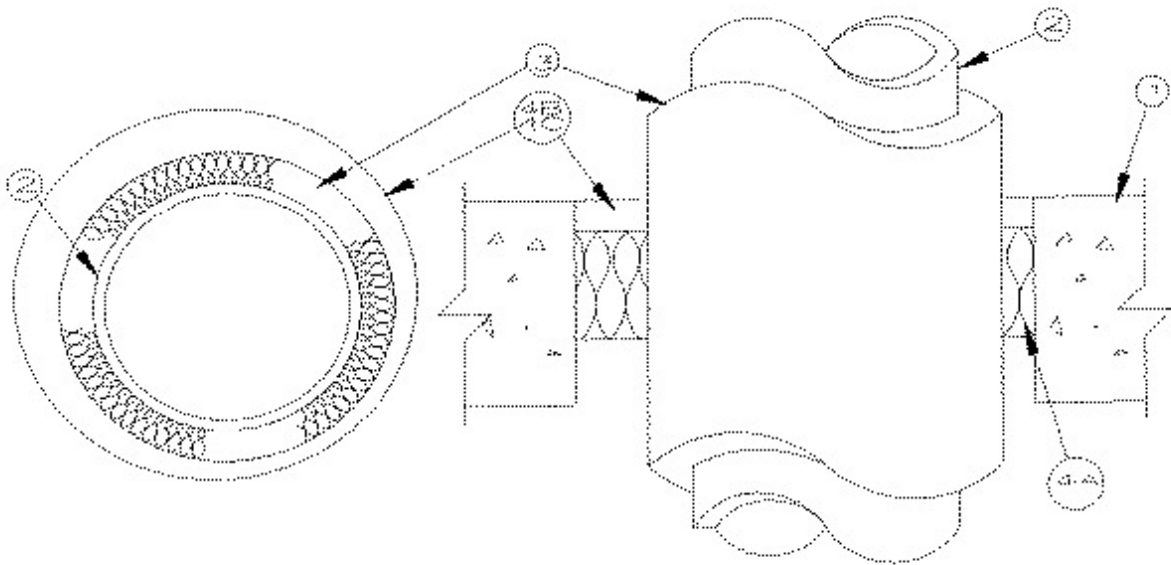
October 04, 2005

(For Horizontal or Vertical Separations)

F Rating - 1-1/2 h

FT Ratings - 1 h

FH and FTH Ratings - 1 h



1. Floor or Wall — Min depth or thickness as necessary for required grade of fire separation but not less than 115 mm. Normal-density ($2400 \pm 50 \text{ kg/m}^3$) concrete. 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. Max size of opening 406 mm diam. When precast concrete units are used, max diam of opening is 178 mm.

2. Through Penetrants — One metallic pipe to be installed concentrically or eccentrically within the opening such that the annular space between insulated pipe and periphery or the opening is minimum 0 mm (point contact) to maximum 102 mm. Pipe to be wrapped with Pipe Insulation (item 3) and rigidly supported on both sides of floor or wall assembly. The following types and sizes of pipes may be used:

(a) Steel Pipe —

Nom 156 mm diameter (or smaller) Schedule 40 (or heavier) steel pipe.

(b) Iron Pipe —

Nom 156 mm diameter (or smaller) cast or ductile iron pipe.

(c) Copper Pipe —

Nominal 156 mm diameter (or smaller) regular (or heavier) copper pipe.

3. **Pipe Insulation** — Pipe to be wrapped with 76 mm thick ULC labelled mineral wool or fibreglass pipe insulation with min 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) Type "A/D FIREBARRIER Mineral Wool" insulation to be compressed 33% (min) within opening to a min depth of 100 mm and recessed 6.4 mm from top surface of slab.

(b) Type "A/D FIREBARRIER Silicone Sealant" caulk grade applied over insulation to a depth of 6.4 mm min flush with top surface of slab. In floors constructed of hollow-core precast concrete units, sealant installed symmetrically on both sides of floor. Additional material applied to form a nom 6.4 mm crown around the pipe where the annular space is less than 6.4 mm. For vertical separations, material shall be applied symmetrically on both sides of wall.

OR

(c) For horizontal separations only (with the exception of hollow-core precast concrete units), Type "A/D FIREBARRIER Silicone Sealant SL" applied over insulation to a depth of 6.4 mm min flush with top surface of slab. Additional caulk grade material (Item 4b) applied to form a nom 6.4 mm crown around the pipe where the annular space is less than 6.4 mm.

A/D FIRE PROTECTION SYSTEMS INC

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