



## XHEZC.SP767 Firestop Systems

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### Firestop Systems

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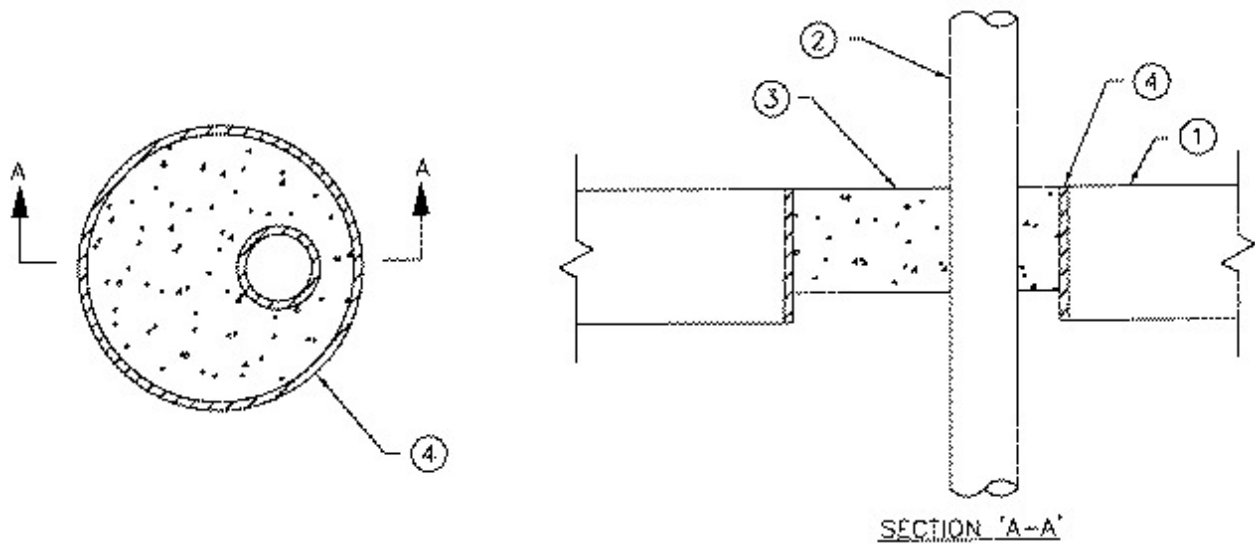
## System No. SP767

December 16, 2004

(For Horizontal or Vertical Separations)

F and FH Ratings - 2 h

FT and FTH Ratings - 3/4 h



1. **Floor or Wall Assembly** — Minimum depth as necessary for required grade of fire separation and required depth for the installation of firestop system components in Item 3. Normal-density ( $2400 \pm 50 \text{ kg/m}^2$ ) or reinforced concrete. Floor may also be constructed of minimum 152 mm or 203 mm thick (see Item 3) hollow-core precast concrete units having a fire resistance rating equal to or greater than that of the firestop system. Maximum size of opening 204 mm diameter. When precast concrete units are used, maximum diameter of opening is 178 mm.

2. **Glass Pipe** — Nominal 50 mm OD (or smaller), 2.5 mm thick (or heavier) glass pipe, reliably supported on both sides of opening. Pipe installed such that the annular space is 25 mm to 127 mm maximum.

3. **Firestop System Components** — (XHJZC). Type "A/D FIREBARRIER Mortar" and "A/D FIREBARRIER Mineral Wool" installed as follows:

#### FOR HORIZONTAL INSTALLATIONS

(a) Minimum 115 mm thick concrete or 152 mm thick precast concrete units. "A/D FIREBARRIER Mortar" mixed with water in accordance with the manufacturer's instructions and trowelled in place to a minimum depth of 75 mm. In floors constructed of precast concrete units, mortar installed symmetrically on both sides of floor.

or

(b) Minimum 175 mm thick concrete or 200 mm thick precast concrete units. "A/D FIREBARRIER Mortar" installed to a minimum depth of 75 mm and flush with the bottom of the floor slab. Maximum 50 mm thick, ULC listed, polyurethane foam having a flame spread of 25 or less installed on top of mortar. "A/D FIREBARRIER Mineral Wool" insulation compressed 33% minimum and installed on top of polyurethane foam to a minimum depth of 50 mm.

or

(c) Minimum 175 mm thick concrete or 200 mm thick precast concrete units. "A/D FIREBARRIER Mineral Wool" insulation compressed 33% minimum and installed flush with the bottom of the slab to a depth of 50 mm. Maximum 50 mm thick polyurethane foam, installed on top of FIREBARRIER Mineral Wool insulation. "A/D FIREBARRIER Mortar" installed to a minimum depth of 75 mm flush with the top of the floor slab.

#### FOR VERTICAL INSTALLATIONS

(d) Minimum 115 mm thick concrete wall. "A/D FIREBARRIER Mortar" mixed with water in accordance with manufacturer's instructions and trowelled in place to a minimum depth of 75 mm.

or

(e) Minimum 200 mm thick concrete or concrete block wall. "A/D FIREBARRIER Mortar" installed to a minimum depth of 75 mm on each side of the wall and flush with the wall faces. Maximum 50 mm thick, polyurethane foam, installed between the layers of mortar.

#### A/D FIRE PROTECTION SYSTEMS INC

4. **Pipe Sleeve** — (optional) - Nominal 200 mm OD, Schedule 40 (or heavier) steel pipe sleeve cast or grouted into floor or wall assembly flush with floor or wall surfaces.

Last Updated on 2004-12-16

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