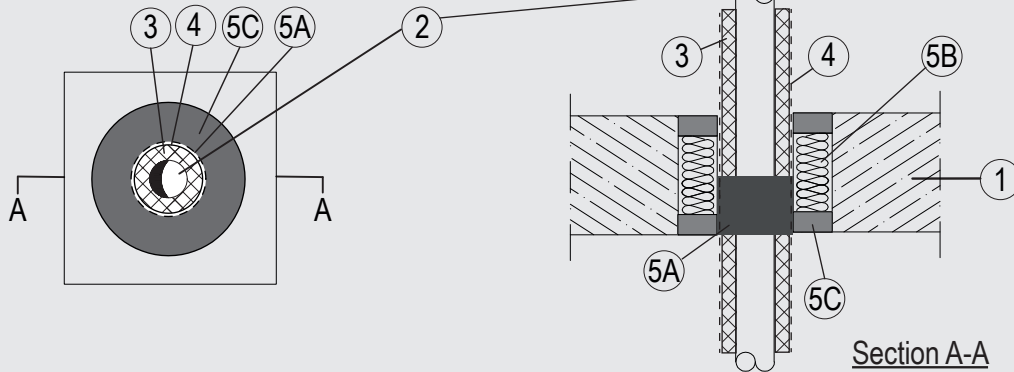


Through-penetration Firestop Systems

System No. C-AJ-5455

ANSI/UL1479 (ASTM E814)	CAN / ULC S115
F Rating – 3 Hr	F Rating – 3 Hr
T Rating – 1-1/2 Hr	FT Rating – 1-1/2 Hr
	FH Rating – 3 Hr
	FTH Rating – 1-1/2 Hr



System tested with a pressure differential of 2.5 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side.

1. Floor or Wall Assembly

Min. 4-1/2 in. (115 mm) thick normal weight (nom. 135-150 pcf or nom. 2160-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Opening shall be circular or rectangular with max diameter or dimensions of 9-2/3 in. (245 mm).

See Concrete Blocks (CAZT) category in UL ProductIQ for names of manufacturers.

2. Through Penetrant

One metallic pipe or tubing to be installed concentrically within the firestop system. Pipe or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of pipes or tubes may be used:

- A. Steel Pipe – Nom 6-1/4 in. (159 mm) diam (or smaller) 0.12 in. (5.6 mm) (or thicker) steel pipe.

3. Pipe Covering Mineral Wool Insulation

Nom 1.2 in. (30 mm) thick aluminum foil faced glass wool mat (min. 2 pcf (30 kg/m³)) wrapped around the pipe. Pipe insulation installed on pipe in accordance with the manufacturer's instructions. The annular space between insulated pipe or tubing and periphery of opening shall be 0.4 in. (10 mm).

Saint-Gobain Isover G+H AG – CLIMCOVER Lamella Mat

4. Coating*

Nom 0.08 in. (2 mm) dry film thickness to be applied onto insulated pipe or tubing in accordance with the manufacturer's instructions.

H B FULLER CO – Foster 30-36

5. Firestop System

The Through-Penetration Firestop System shall consist of the following:

- A. Fill, Void or Cavity Material* – 1 layer of 1/16 in (1.5 mm) by 2 in. (50 mm) wrap flush mounted on the exposed side of floor or both sides of wall assembly and wrapped around the coated pipe covering (Item 3).

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- B. Packing Material – Min 4-1/3 in. (110 mm) thickness of min 6 pcf (100 kg/m³) mineral wool insulation firmly packed into annulus as a permanent form. Packing material to be recessed from both surfaces of floor or wall to accommodate the required thickness of fill material.

- C. Fill, Void or Cavity Material* – Min 0.08 in. (2 mm) thickness of fill material applied within the annulus, flush with both surfaces of floor or wall assembly.

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