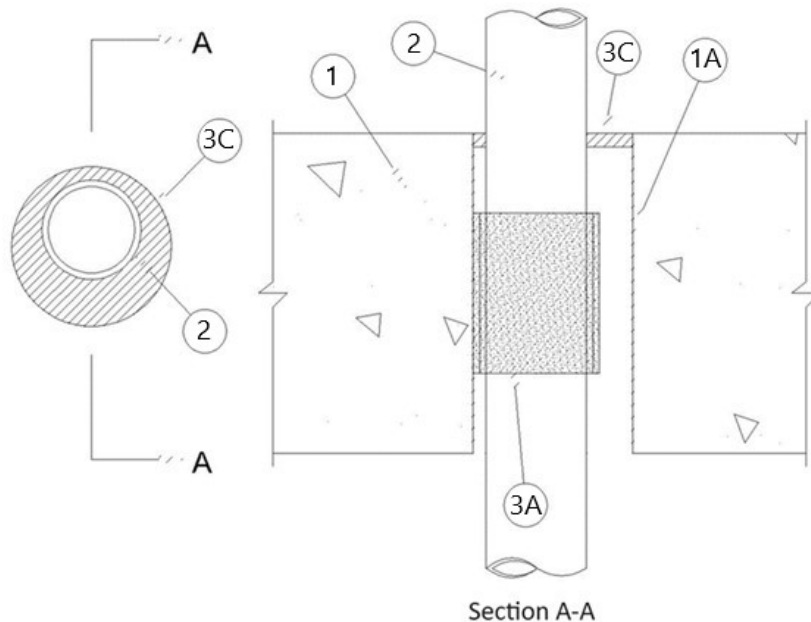


September 04, 2024

CAN/ULC S115
F Rating — 2 Hr
FT Rating — 0 Hr
FH Rating — 0 Hr
FTH Rating — 0 Hr
L Rating At Ambient — Less Than 5.1 L/s/m² (See Item 3B)
L Rating At 204°C — Less Than 5.1 L/s/m² (See Item 3B)



System tested with a pressure differential of 50 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side. (See Item 2)

1. Floor or Wall Assembly —Min 114 mm (4-1/2 in.) thick reinforced lightweight or normal weight (100 -150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. Floor may also be constructed of any min 152 mm (6 in.) thick UL Classified hollow-core **Precast Concrete Units***. Opening to be max 16 mm (5/8 in.) larger than outside diam of nonmetallic pipe. Max diam of opening is 152 mm (6 in.).

See **Concrete Blocks** (CAZT) and **Precast Concrete Units** (CFTV) categories in the Fire Resistance Directory for names or manufacturers.

1A. Metallic Sleeve — Required for use with Concrete Blocks or hollow core Precast Concrete Units, optional for solid concrete block or solid concrete wall construction. Nom 152 mm (6 in.) diam (or smaller) cylindrical sleeve fabricated from min 0.41 mm (0.016 in.) thick (No. 30 gauge) galv sheet steel and having a min 25 mm (1 in.) lap along longitudinal seam. Length of sleeve to be installed flush with wall and floor surfaces.

2. Through Penetrant —One nonmetallic penetrant to be installed concentrically or eccentrically within the firestop system. Annular space within the firestop system is dependent upon the max diam of penetrant as shown in Item 3A. Penetrant to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of nonmetallic penetrant may be used:

A. Polyvinyl Chloride (PVC or uPVC) Pipe —Nom 102 mm (4 in.) diam (or smaller) Schedule 40 cellular or solid core PVC or

uPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.

B. Chlorinated Polyvinyl Chloride (CPVC) Pipe—Nom 102 mm (4 in.) diam (or smaller) SDR 17 CPVC pipe for use in closed (process or supply) piping systems.

C. Polyvinyl Chloride-XFR (PVC-XFR) Pipe— Nom 102 mm (4 in.) diam (or smaller) Schedule 40 solid core PVC-XFR pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems

D. Rigid Nonmetallic Conduit+ —Nom 102 mm (4 in.) diam (or smaller) Schedule 40 PVC conduit installed in accordance with the National Electrical Code (NFPA 70).

3. Firestop System —The firestop system shall consist of the following:

A. Fill, Void or Cavity Materials* —Nom 2 mm (1/16 in.) thick by 76 mm (3 in.) wide intumescent joint strip tightly wrapped continuously around the outer circumference of the penetrant and held in place with tape. Joint strip slid into the annular space with the bottom edge of the joint strip recessed 18 mm (3/4 in.) from bottom surface of floor or 38 mm (1-1/2 in.) from both surfaces of wall. The number of wrap strip layers required is dependent upon the nom diam of the penetrant, diam of opening, and min and max annular space as shown below:

Max Opening Diam mm (in.)	Nom Diam of Pipe mm (in.)	Min Annular Space mm (in.)	Max Annular Space mm (in.)	No. of Wrap Strip Layers
152 (6)	102 (4)	9.5 (3/8)	31.8 (1-1/4)	4
76 (3)	51 (2)	4 (3/16)	12.7 (1/2)	2

RECTORSEAL — [Metacaulk Joint Strip](#)

B. Packing Material — (Not Shown) — Foam backer rod firmly packed into opening as a permanent form. Packing material to be recessed from wall surfaces as required to accommodate the required thickness of fill material.

C. Fill, Void or Cavity Material* — **Caulk** (Optional) —Min 6 mm (1/4 in.) thickness of fill material applied within the annulus, flush with top or bottom surface of floor or on both surfaces of wall assembly. L Rating applies only when [Metacaulk 150+](#), [Metacaulk 1000](#) or [Metacaulk 1200](#) is used either on top or bottom of the floor and both sides of wall.

RECTORSEAL — [Metacaulk 1000](#), [Metacaulk 150+](#), [Metacaulk 1200](#)

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.