

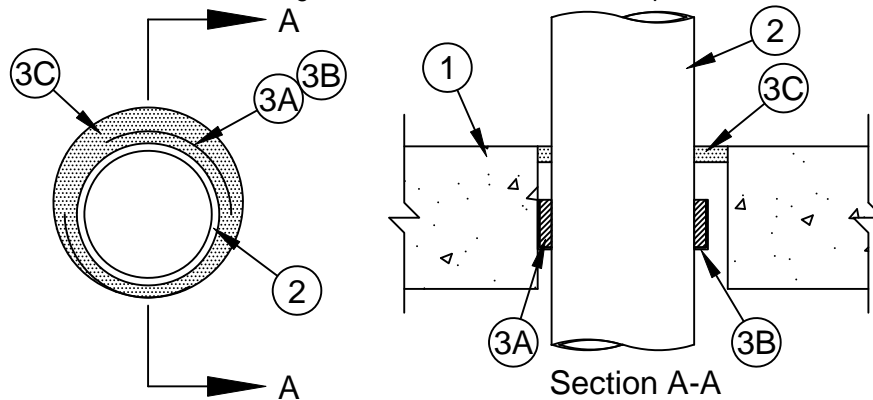
## System No. F-A-2138

F Rating - 2 Hr

T Rating - 0 Hr

L Rating At Ambient - Less Than 1 CFM/sq ft

L Rating At 400 F - Less Than 1 CFM/sq ft



1. **Floor Assembly** - Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m<sup>3</sup>) concrete. Max diam of opening is 6 in. (152 mm).
2. **Through Penetrants** - One nonmetallic pipe or conduit to be installed either concentrically or eccentrically within the firestop system. The annular space between the pipe or conduit and the periphery of the opening shall be a min of 3/8 in. (10 mm) to a max of 1-1/8 in. (29 mm). Pipe to be rigidly supported on both sides of the floor assembly. The following types and sizes of nonmetallic pipes or conduits may be used:
  - A. **Polyvinyl Chloride (PVC) Pipe** - Nom 4 in. (152 mm) diam (or smaller) Schedule 40 solid core or cellular core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
  - B. **Chlorinated Polyvinyl Chloride (CPVC) Pipe** - Nom 4 in. (152 mm) diam (or smaller) SDR13.5 CPVC pipe for use in closed (process or supply) piping systems.
3. **Firestop System** - The firestop system shall consist of the following:
  - A. **Fill, Void, or Cavity Materials\* - Wrap Strip** - Nom 1/4 in. (6 mm) thick by 1-1/2 in. (38 mm) wide (RED), 3/16 in. (4.8 mm) by 2 in. (51 mm) wide (BLU) or 1/8 in. (3.2 mm) by 2 in. (51 mm) wide (BLU2) intumescent strips faced on both sides with a plastic film. Strips tightly wrapped around nonmetallic pipe. The wrap strips may be installed with butted seams with butted seams in successive layers aligned or offset or may be continuously wrapped around through penetrant. For max 2 in. (51 mm) diam pipes, one layer of wrap strip is required. For nom 2-1/2 and 3 in. (64 and 76 mm) diam pipes, two layers of wrap strip are required. For nom 3-1/2 and 4 in. (89 and 102 mm) diam pipes, three layers of wrap strip are required. Wrap strips are temporarily held in place with masking tape.

**SPECIFIED TECHNOLOGIES INC** - SpecSeal RED, BLU, or BLU2 Wrap Strip

- A1. **Fill, Void, or Cavity Materials\* - Wrap Strip** - As an alternate to Item 3A, nom 1/8, 1/4, or 3/8 in. (3.2, 6, or 9 mm) thick intumescent material faced on both sides with a plastic film, supplied in 1-1/2 in. (38 mm) wide strips for use with nom 2, 3, or 4 in. (51, 76, or 102 mm) diameter pipes, respectively. Single layer of wrap strip wrapped around the through penetrant with the ends butted and temporarily held in place with masking tape.

**SPECIFIED TECHNOLOGIES INC** - SpecSeal SSW125, SSW250 or SSW375 Wrap Strip

- B. **Steel Collar** - Nom 1-1/2 in. (38 mm) or 2 in. (51 mm) deep collar, dependent upon wrap strip width, with min 3/4 in. (19 mm) wide retaining tabs tapering down to 1/4 in. (6 mm) wide too retain wrap strip layers. Coils of precut 0.013 in. (0.33 mm) thick (30 gauge) galv sheet steel available from wrap strip manufacturer. Steel collar, with anchor tabs removed, wrapped tightly around wrap strip layers with min 1 in. (25 mm) overlap at seam. Retainer tabs to be bent 90 deg toward pipe to lock wrap strips in position. Collar to be compressed around wrap strip layers and secured with min 1/2 in. (13 mm) wide filament tape or foil tape wrapped completely around collar at the mid height of the collar. Wrap strip/collar assembly to be recessed 1-1/4 in. (32 mm) from bottom surface of floor.
- C. **Fill, Void or Cavity Materials\* - Sealant** - Min 1/2 in. (13 mm) thickness of fill material installed in annular space, flush with top surface of the floor.

**SPECIFIED TECHNOLOGIES INC** - SpecSeal Series 100, 101, 102, 105, 120 or 129 Sealant, SpecSeal LCI Sealant, Pensil 300 Sealant or SpecSeal Series SIL300 Sealant for floors or walls and Pensil 300 S/L Sealant or SpecSeal Series SIL300SL Sealant for floors only.

\*Bearing the UL Classification Mark



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