



Classified by
Underwriters Laboratories, Inc.
to CAN/ULC-S115

System No. W-J-2333

F Rating - 2 Hr

T Rating - 0 Hr

FH Rating - 2 Hr

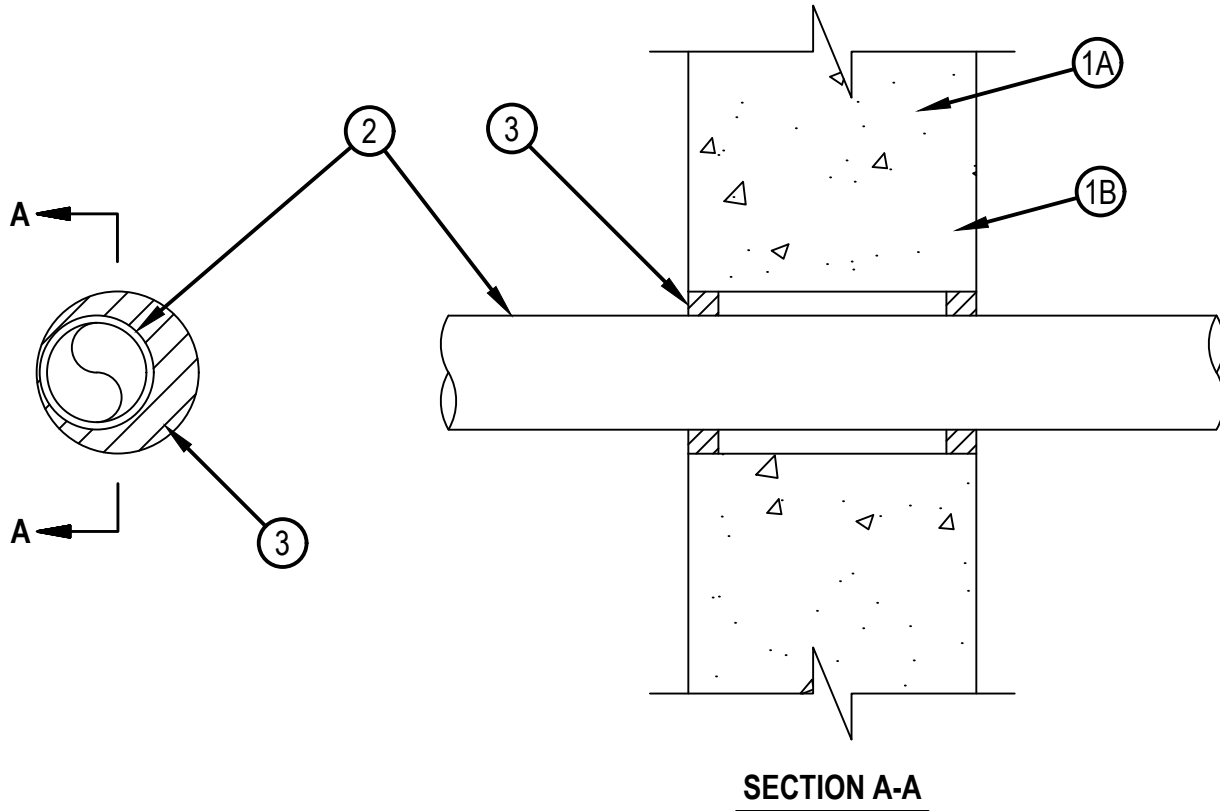
FTH Rating - 0 Hr

L Rating At Ambient — Less Than 5.1 L/s/m²

L Rating At 400 F — Less Than 20.4 L/s/m²



WJ 2333



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. Wall Assembly — Min 152 mm (6 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*. Diam of opening shall be 25 mm (1 in.) larger than the nom pipe diam.
See Concrete Blocks (CAZT) in the Fire Resistance Directory for names of manufacturers.
2. Chlorinated Polyvinyl Chloride (CPVC) Pipe — One nom 51 mm (2 in.) diam (or smaller) Blazemaster® SDR 13.5 CPVC pipe for use in closed (process or supply) piping systems. Pipe to be installed either concentrically or eccentrically within the firestop system and rigidly supported on both sides of the wall. The annular space between pipe and the periphery of the opening shall be min 0 mm (point contact) to a max 13 mm (1/2 in.).
3. Fill, Void or Cavity Material* - Sealant — Min 16 mm (5/8 in.) thickness of fill material applied within annulus, flush with both surfaces of wall. At point contact location, a min 16 mm (5/8 in.) diam bead of fill material shall be applied to the wall/penetrant interface on both surfaces of the wall.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE MAX Intumescent Sealant

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



Hilti Firestop Systems

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