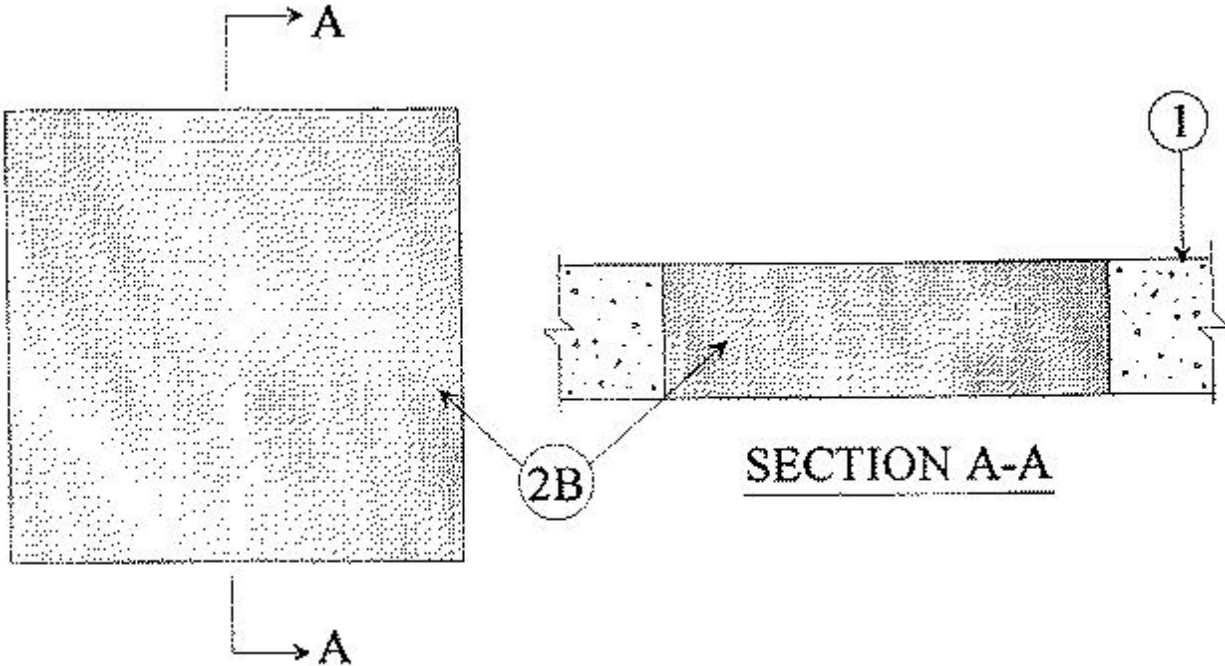




System No. C-AJ-0077

February 15, 2013

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 2 and 4 Hr (See Item 1)	F Ratings — 2 and 4 Hr (See Item 1)
T Ratings — 3/4 and 4 Hr (See Item 1)	FT Ratings — 3/4 and 4 Hr (See Item 1)
L Rating At Ambient — Less Than 1 CFM/sq ft	FH Ratings — 2 and 4 Hr (See Item 1)
L Rating At 400 F — Less Than 1 CFM/sq ft	FTH Ratings — 3/4 and 4 Hr (See Item 1)
	L Rating At Ambient — Less Than 1 CFM/sq ft
	L Rating At 400 F — Less Than 1 CFM/sq ft



1. **Floor or Wall Assembly** — Min 2-1/2 in. (64 mm) or 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. The hourly F and FH ratings are 2 and 4 hr for min 2-1/2 in. (64 mm) and min 4-1/2 in. (114 mm) thick concrete, respectively. The hourly T, FT and FTH ratings are 3/4 and 4 hr for min 2-1/2 in. (64 mm) and min 4-1/2 in. (114 mm) thick concrete, respectively. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max area of opening is 1024 sq in. (6606 cm²) with max dimension of 32 in. (813 mm).

See **Concrete Blocks** category in the Fire Resistance Directory for names of manufacturers.

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

A. **Forms** — (Not Shown) — Used as a form to prevent leakage of fill material during installation. Forms to be a rigid sheet material, positioned as required to accommodate the required thickness of fill material. Forms to be removed after fill material has cured.

B. **Fill, Void or Cavity Material*** — **Mortar** — Min 2-1/2 in. (64 mm) or 4-1/2 in. (114 mm) thickness of fill material for 2 and 4 hr rated assemblies, respectively, applied within the annulus. Mortar is mixed at a rate of 2-1/2 parts dry mix to one part water by volume in accordance with the fill material manufacturer's installation instructions.

RECTORSEAL — Bio K10+ Mortar

*Bearing the UL Classification Mark