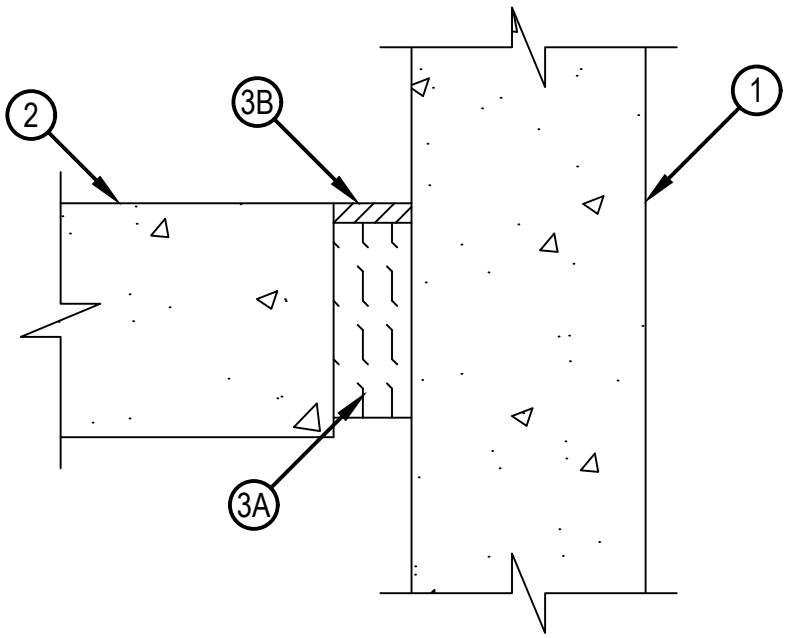
Classified by
Underwriters Laboratories, Inc.
to UL 2079 and CAN/ULC-S115

System No. FW-D-0042

ANSI/UL2079	CAN/ULC S115
Assembly Ratings — 2 or 3 Hr (See Items 1 and 2)	F Ratings — 2 or 3 Hr (See Items 1 and 2)
Nominal Joint Width - 2 in.	FT Ratings — 2 or 3 Hr (See Items 1 and 2)
Class II Movement Capabilities — 6% or 12.5% Compression or Extension (See Item 2)	FH Ratings — 2 or 3 Hr (See Item 1 and 2)
L Rating at Ambient — Less than 1 CFM/Lin Ft	FTH Ratings — 2 or 3 Hr (See Items 1 and 2)
L Rating at 400°F — Less than 1 CFM/Lin Ft	Nominal Joint Width – 51 mm
	Class II Movement Capabilities — 6% or 12.5% Compression or Extension (See Item 2)
	L Rating at Ambient — Less than 5.1 L/s/m2
	L Rating at 204°C — Less than 5.1 L/s/m2



Hilti Firestop Systems

System No. FW-D-0042

1. Wall Assembly — Min 6 in. (152 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) structural concrete for 3 hr ratings. Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) structural concrete for 2 hr ratings. Wall may also be constructed of any UL Classified Concrete Blocks*.
   See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Floor Assembly — Min 6 in. (152 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) structural concrete for 3 hr ratings. Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) structural concrete for 2 hr ratings.
3. Joint System — Max width of joint (at time of installation of joint system) is 2 in. (51 mm). The joint system is designed to accommodate a max 6 percent compression or extension from its installed width for 3 hr ratings. The joint system is designed to accommodate a max 12.5 percent compression or extension from its installed width for 2 hr ratings. The joint system shall consist of the following:
   A. Forming Material* — Min 4 pcf (64 kg/m3) mineral wool batt insulation installed in joint opening as a permanent form. Pieces of batt cut to a min width as specified in Table below and installed edge-first into joint opening, parallel with joint direction, such that batt sections are compressed min 50 percent in thickness and such that the compressed batt sections are recessed from the top surface of the floor as required to accommodate the required thickness of fill material. Adjoining lengths of batt to be tightly-butted with butted seams spaced min 24 in. (610 mm) apart along the length of the joint.
   INDUSTRIAL INSULATION GROUP L L C - MinWool-1200 Safing
   JOHNS MANVILLE - Safing
   ROCKWOOL MALAYSIA SDN BHD - SAFE
   ROCKWOOL - SAFE
   THERMAFIBER INC - SAF
   B. Fill, Void or Cavity Material* — Sealant — Min thickness of fill material as specified in Table below to be applied within the joint, flush with top surface of the floor.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP606 Flexible Firestop Sealant

Joint System Hourly Rating	Max Joint Width In. (mm)	Min Width of Forming Material (Item 2A) In. (mm)	Min Thickness of Sealant (Item 2B) In. (mm)
3	2 (51)	5 (127)	½ in. (13)
2	2 (51)	2 (51)	½ in. (13)
2	1 (25)	2.5 (64)	¼ (6)

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