

3M Company
Design No. 3M/PV 120-08
Through Penetration
3M Fire Barrier 1000 Silicone Sealant No Sag
3M Fire Barrier IC 15WB+

CAN/ULC-S115, ASTM E814

Rating: See Table 1

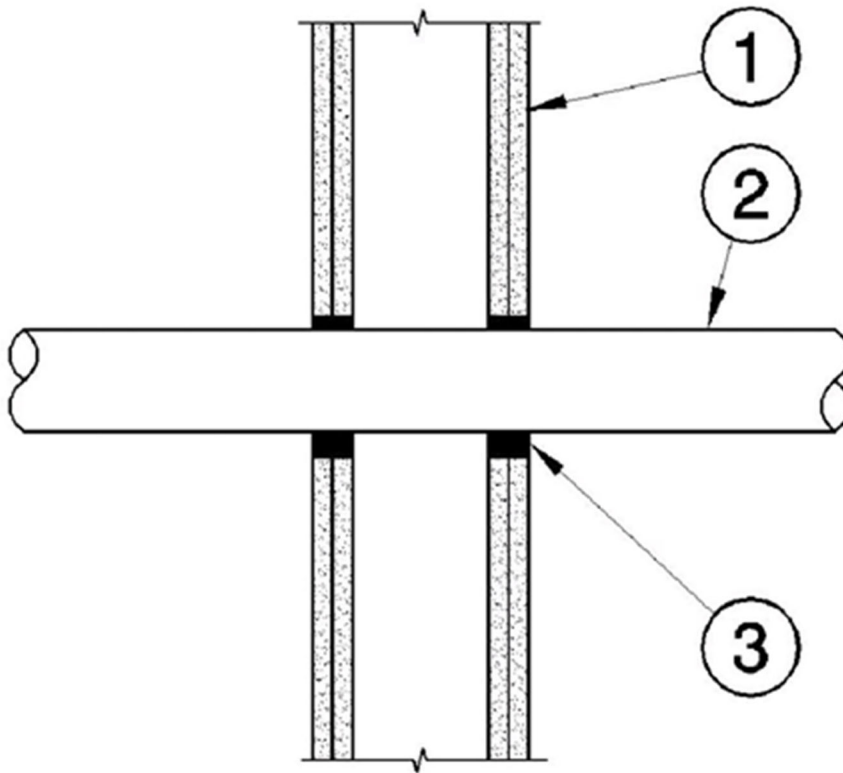
Pressure Differential: Positive, 2.5 Pa (0.01 in. of water) minimum

TABLE 1. RATINGS

Penetrating Items	Max. Pipe Size	Max. Hole Size	Min.-Max. Annular Spacing	RATINGS			
				CAN/ULC-S115		ASTM E814	
				F, FH,	FT	F	FT
Conduit	100 mm	150 mm	6 mm – 38 mm	2 Hr	15 Min	2 Hr	15 Min
Copper	100 mm	150 mm	6 mm – 45 mm	2 Hr	15 Min	2 Hr	15 Min
CPVC**	50 mm	100 mm	6 mm- 32 mm	2 Hr	2 Hr	2 Hr	2 Hr
PVC**	50 mm	100 mm	3 mm – 6 mm	2 Hr	2 Hr	2 Hr	2 Hr
Steel/Cast	200 mm	55 mm	0 mm – 38 mm	2 Hr	15 Min	2 Hr	15 Min
BX	12.5 mm	25 mm	6 mm – 19 mm	2 Hr	0 Min	2 Hr	0 Min
Elec. XX	45% fill	100 mm	0 mm – 64 mm	2 Hr	30 Min	2 Hr	30 Min

*To convert mm to inches, divide by 25.4.

**Process & Supply only in Canada



1. Wall Assembly: 1 hour or 2 hour rated wood or steel stud framed gypsum wall assembly. Minimum wall thickness: 114mm (4-1/2") for 1 hour rated walls, 140mm (5-1/2") for 2 hour rated walls. The hourly F rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

2. Penetrating Items:
Metallic and non-metallic pipe and conduit as described in the table of ratings.

3. Firestop Sealant: 3M™ Fire Barrier 1000 Silicone Sealant No Sag or 3M™ Fire Barrier IC 15WB+ applied to the full depth of the gypsum wallboard membrane on both sides of the wall. For point contact penetrations, a 12.5mm (1/2") surface bead is required at point of contact location.

Note: Check the CPVC manufacturers' compatibility list before applying any 3M Fire Protection Products to a system which includes CPVC pipes



This Design Listing is intended to provide guidance for on-site verification of the installation of system components and shall not be used in place of the manufacturer's published installation instructions. The manufacturer is responsible for providing installation instructions and requirements that ensure compliance with the system as tested and evaluated by Intertek. Installation must comply with this Design Listing, the manufacturer's installation instructions, and the applicable Code. In the event of conflict, this Design Listing governs.

Compliance of the assembly described in this Design Listing with the referenced standard(s) is contingent upon verification that the field-constructed assembly is consistent with the assembly described herein. Intertek-certified products may be verified by the authorized Intertek label. Products not bearing the Intertek label shall be verified by the Authority Having Jurisdiction as meeting the specifications stated herein.

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Refer to the listing report in the Directory of Building Products (<https://bpdirectory.intertek.com>) for the applicable edition of the referenced standard(s)