

System No. F-A-2012



3. Firestop Device* — Cast in place firestop device permanently embedded during concrete placement or grouted in concrete assembly in accordance with accompanying installation instructions with a max 51 mm (2 in.) projection above the top surface of the concrete. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 680-75/2.5"N, CP 680-110/4"N, CP 680-160/6"N, CP 680-P 2", CP 680-P 3", CP 680-P 4", CP 680-P 6", CP 680-PX 2", CP 680-PX 3"

The ratings of the firestop systems are dependent on the size of the device, type and size of the penetrant, and the thickness of the concrete assembly as specified in the table below.

Min Concrete Thickness, mm (in.)	Nom Pipe Diam, mm (in.)	Penetrant Type (See Item 2)	Firestop Device	Rating, hr			
				F	FT	FH	FTH
64 (2-1/2)	51 (2)	All*	CP680-75/2.5"N CP 680-P 2" CP 680-PX 2"	2	3/4	0	C
64 (2-1/2)	76 (3)	All	CP 680-P 3" CP 680-PX 3"	2	0	0	C
64 (2-1/2)	102 (4)	All	CP680-110/4"N CP 680-P 4"	2	0	0	C
64 (2-1/2)	152 (6)	All	CP680-160/6"N CP 680-P 6"	2	0	0	C
114 (4-1/2)	38 (1.5)	All*	CP680 - 75/2.5"N CP 680-P 2" CP 680-PX 2"	2	2	0	C
114 (4-1/2)	76 (3)	All*	CP680-110/4"N CP 680-P 4"	3	2	3	2
114 (4-1/2)	76 (3)	All	CP 680-P 3" CP 680-P 3"	3	0	0	C
114 (4-1/2)	102 (4)	All	CP680-160/6"N CP 680-P 6"	1	0	0	C
114 (4-1/2)	51 (2)	All*	CP680-75/2.5"N CP 680-P 2" CP 680-PX 2"	2	2	0	C
114 (4-1/2)	102 (4)	All*	CP680-110/4"N CP 680-P 4"	3	2	3	2
114 (4-1/2)	152 (6)	All	CP680-160/6"N CP 680-P 6"	2	0	0	(
152 (6)	76 (3)	A, B, C, G	CP 680-P 3" CP 680-PX 3"	2	2	2	

* When ABS or FRPP pipe is used, FT and FTH Ratings are 0 hr.



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++ L Rating applies only to CP 680-P(X) devices and only when the nom diam of pipe equals size of device (2 in. diam pipe in 2" device etc.) Also applies only to PVC and CPVC pipes. L Rating does not apply when pipe covering and packing material are used.

4. Pipe Covering* — (Optional, Not Shown) - Min 13 mm (1/2 in.) thick hollow cylindrical glass fiber units with an all service jacket installed around 76 mm (3 in). diam (or smaller) ABS or PVC pipe at the top of the floor and extending min 305 mm (12 in.) above floor surface or device. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product. Prior to installation of pipe covering, packing material specified in Item 5 shall be installed as required. When pipe covering is used, FT Rating is 2 Hr.

See Pipe and Equipment Covering Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

5. Packing Material — (Not Shown) - Required as noted in Item 4 above for 2 hr FT Rating. When nom pipe size is less than device size (ie, nom 76 mm (3 in.) diam pipe in 102 mm (4 in.) device), min 32 mm (1-1/4 in.) thickness of min 64 kg/m3 (4 pcf) mineral wool batt insulation tightly packed to fill annular space between pipe and device, flush with top of device.

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

+Bearing the UL Listing Mark



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