

Grabber Construction Products, Inc.

Design No. JWA/PHV 120-16

Horizontal (Floor/Ceiling) or Vertical (Wall) Assembly, Single Penetrations

GrabberGard EFC and GrabberGard IFC

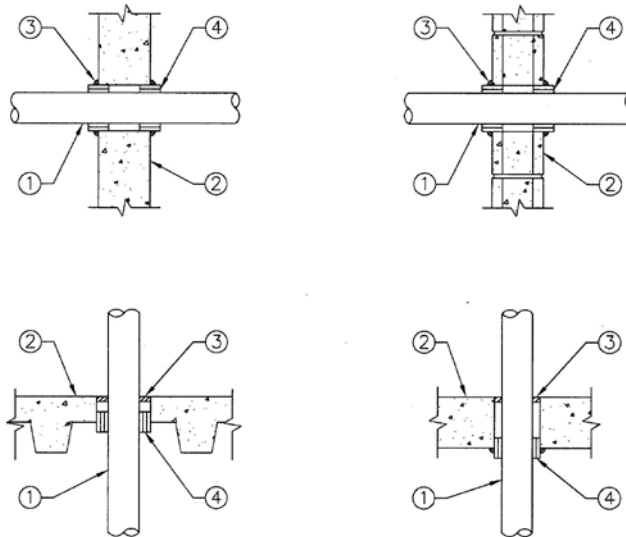
Test Standards: ASTM E814, UL 1479, ULC S115: Non-metallic Open and Closed Systems

Positive Pressure Differential – 50 Pa (0.2 in. of water) Minimum

Rating: 2 Hour

Penetrating Item Material	Nominal Pipe Size	Annular Space	Layers of Wrap Strip	ASTM E814/UL1479 "F" Rating	ASTM E814/UL1479 "T" Rating	CAN/ULC S115 "F" & "FH" Rating	"FTH" Rating
PEX Pipe	Up to 2 in. ID	1/4 in.	2	Up to 2 hours	1/4 Hour	Up to 2 Hours	1/4 Hour
PE/PE-RT Pipe	Up to 2 in. ID	1/4 in.	2	Up to 2 hours	1/4 Hour	Up to 2 Hours	1/4 Hour
PVC Pipe	Up to 2 in.	1/8 in.	1	Up to 2 Hours	3/4 Hour	Up to 2 Hours	3/4 Hour
PVC Pipe	< 2 in. to 3 in.	1/4 in.	2	Up to 2 Hours	2 Hours	Up to 2 Hours	2 Hours
PVC Pipe	<3 in. to 4 in.	3/8 in.	3	Up to 2 Hours	2 Hours	Up to 2 Hours	2 Hours
ccPVC Pipe	Up to 2 in.	1/8 in.	1	Up to 2 Hours	2 Hours	Up to 2 Hours	2 Hours
ccPVC Pipe	< 2 in. to 3 in.	1/4 in.	2	Up to 2 Hours	2 Hours	Up to 2 Hours	2 Hours
ccPVC Pipe	<3 in. to 4 in.	3/8 in.	3	Up to 2 Hours	2 Hours	Up to 2 Hours	2 Hours
CPVC Pipe	Up to 2 in.	1/8 in.	1	Up to 2 Hours	2 Hours	Up to 2 Hours	2 Hours
CPVC Pipe	< 2 in. to 3 in.	1/4 in.	2	Up to 2 Hours	2 Hours	Up to 2 Hours	2 Hours
CPVC Pipe	<3 in. to 4 in.	3/8 in.	3	Up to 2 Hours	2 Hours	Up to 2 Hours	2 Hours
ABS Pipe	Up to 2 in.	1/8 in.	1	Up to 2 Hours	2 Hours	Up to 2 Hours	2 Hours
ABS Pipe	< 2 in. to 3 in.	1/4 in.	2	Up to 2 Hours	2 Hours	Up to 2 Hours	2 Hours
ABS Pipe	<3 in. to 4 in.	3/8 in.	3	Up to 2 Hours	2 Hours	Up to 2 Hours	2 Hours
FRPP Pipe**	Up to 2 in.	1/8 in.	1	Up to 2 Hours	2 Hours	Up to 2 Hours	2 Hours

**Not tested through concrete fluted steel deck floor assembly



1. PENETRATING ITEM: Centered in hole, See table above. Single penetrations only.

2. FLOOR/CEILING OR WALL ASSEMBLY: Use a floor/ceiling or wall assembly with a fire resistance rating determined in accordance with ASTM E119,

UL 263, or CAN/ULC-S101, as applicable. The floor/ceiling or wall assembly fire rating shall be equal to or greater than the "F" rating of the through-penetration firestop assembly, and shall comply with the following min. requirements:



- a) Cast-in-place, normal or light density concrete floor/ceiling assemblies having a min. thickness of 4-1/2 in. (113mm).
- b) Cast-in-place concrete wall assemblies having a min. cross-section thickness of 4-1/2 in. (113mm) or;
- c) Hollow or concrete filled unit masonry (concrete block) wall assemblies laid up with mortar, having a min. cross-section thickness of 8 in. (200mm).
- d) Min. 20 GA or heavier galvanized steel decking with min. 1-1/2 in. (38mm) flute height firmly supported, with min. 3 in. (75mm) concrete cover.

3. FIRESTOP SYSTEM COMPONENT 1: Grabber Construction Products, Inc. – GrabberGard EFC* or GrabberGard IFC* installed at a min. thickness of 1/4 in. (6mm) within the annulus at top surface

of floor assembly. A min. of 1/2 in. (13mm) bead of GrabberGard EFC* or GrabberGard IFC* is to be applied between interface of the floor or wall and the outer layer of intumescent wrap strip (see Firestop System Component 2). **Note:** For PE (Polyethylene Pipe) use only GrabberGard IFC*.

4. FIRESTOP SYSTEM COMPONENT 2: PFP Partners WS1 Wrap Strip* – Nominal 1/8 in. thick intumescent material supplied in 2 in. (50mm) wide strips. See table for number of layers of wrap strip friction fitted into annular space. Wrap strip to extend max. 1/4 in. (6mm) below the bottom surface of the floor or both sides of the wall and fastened in place with aluminum tape.

*WH Labeled Component