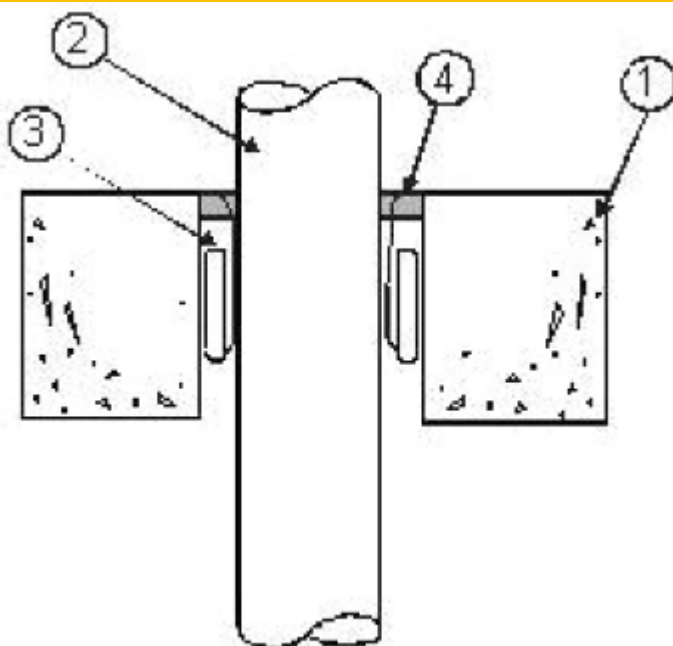**3M Company**
Design No. 3M/PH 120-09
Through Penetration
3M™ FireStrap™
3M™ Fire Barrier Mortar
3M™ Fire Barrier IC 15WB+
3M™ Fire Barrier CP 25WB+
3M™ Fire Barrier 3000WT
CAN/ULC-S115
Rating: See Table 1

Pressure Differential: Positive, 50 Pa (0.20 in. w.g.)

TABLE 1. RATINGS

		CAN/ULC-S115	
Penetrating Item	**Max. Pipe Size**	**F**	**FT**
UPP (Ultra Polypropylene)	**2 in.**	**2 Hr**	**2 Hr**
PVC	**3 in.**	**2 Hr**	**0 Hr**

Figure 1. Penetration Detail

1. **FLOOR OR WALL ASSEMBLY:** Code conforming 2-hour fire-rated assembly, nominal 4-1/2-in. thickness, reinforced lightweight or normal weight concrete.

2. **PENETRATING ITEMS:** (See Table 1) Schedule 40 PVC pipes for use in DWV (Drain, Waste and Vent) or Closed (Process and Supply) piping systems. Rating achieved will equal that of rated assembly.

3. **FIRESTOP SYSTEM COMPONENTS:**

   Certified Products:
   - **3M™ FireStrap™**
   - **3M™ Fire Barrier Mortar**

   Install 3M™ FireStrap™ within opening, projecting 1/4 in. below ceiling surface for solid concrete floor applications, according to the manufacturer's instructions. To reduce hole size to the size listed, back fill with 3M™ Fire Barrier Mortar. Use 3M™ FireStrap™ 1-1/2 in. for PVC – Thin Wall Vacuum Tubing (nominal 2-in. diameter).

Pipe Size	Hole Size
1-1/2 in.	2-1/2 in.
2 in.	3 in.
3 in.	4-1/2 in.

4. **FILL, VOID, OR CAVITY MATERIAL:**

   Certified Products: Sealant
   - **3M™ Fire Barrier IC 15WB+**
   - **3M™ Fire Barrier CP 25WB+**
   - **3M™ Fire Barrier 3000WT**

   Apply to 1/4-in. thickness flush with the floor surface. Firestop System is applied to both sides for wall applications.

Consult the listing report on the Directory of Building Products (https://bpdirectory.intertek.com) for the edition of the standard(s) evaluated.

Compliance of the assembly described in this Design Listing with the referenced standard relies on verification that the assembly constructed in the field is consistent with that described herein. Intertek certified products may be verified by the approved Intertek label; other products must be verified by the Authority Having Jurisdiction as meeting the specifications stated herein.