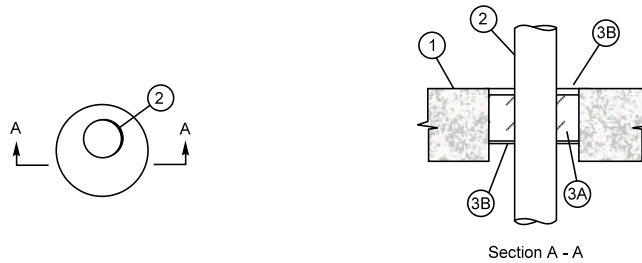


**FIRE STOP DESIGN 85**  
**Rating – 3 and 2 HR (See No. 3)**



1. FLOOR OR WALL. Min 4 in. (114 mm) thick normal weight concrete floor or wall, or min nominal 8 in. (203 mm) thick concrete block wall of min 3 hour fire resistant rating. Nominal 10 in. (255 mm) dia. opening.
2. METALLIC PIPES. The following types may be used. Maintain min distance of 1 in. (25 mm) between pipe and opening.
  - a. Copper Pipe. Nominal 3 in. (76 mm) dia. (or smaller) with a min wall thickness of 0.065 in. (1.65 mm).
  - b. Steel Pipe. Nominal 3 in. (76 mm) dia. (or smaller) Schedule 40 (min) pipe.
3. FIRE STOP COMPONENTS.
  - a. Fill Material. Mineral fiber of nominal 4.0 pcf (64 kg/m<sup>3</sup>) density. Install to a min depth of 4 in. (102 mm). Compress material min 33% overwidth of opening. Surface recessed 1/4 in. (6.4 mm) min from surface of floor or wall.

**A/D Fire Protection Systems Inc 420 Tapscott Rd Scarborough Ontario M1B 1Y4**

A/D Firebarrier Mineral Wool.

- b. Fill Material. Silicone fill material installed into opening to a min depth of 1/4 in. (6 mm) over mineral wool at each side of opening and trowel surface smooth. When silicone fill is applied only at the top surface of a floor installation, the rating is 2 hours, except as noted below.

**A/D Fire Protection Systems Inc 420 Tapscott Rd Scarborough Ontario M1B 1Y4**

A/D Firebarrier Silicone (for floor or wall installations. Three-hour rating for floors when applied only at the top surface.).

A/D Firebarrier Silicone SL (for floor installations at top surface only).