

FIREBARRIER COLLAR

1. PRODUCT NAME

A/D FIREBARRIER Collar

2. DESCRIPTION

A firestop device for the protection of plastic pipe and conduit penetrations through fire rated floor and wall assemblies.

Basic Use:

A/D FIREBARRIER Collars consist of a steel collar and intumescent silicone strip. The collars are available in 3, 4 and 6-in. nominal trade sizes for plastic pipes. The collars are fastened around plastic pipes where they penetrate fire rated floor and wall assemblies. During a fire, the intumescent silicone strip dramatically expands to seal any openings that would otherwise develop as the plastic pipe deteriorates and thereby helps maintain the integrity of the fire separation.

Composition and Materials:

A/D FIREBARRIER Collars are designed for easy installation with common tools. Each Collar consists of a galvanized steel collar and a rubber-like intumescent silicone strip.

Packaging:

A/D FIREBARRIER Collars are available in nominal 3, 4 and 6-in. diameter trade sizes.

Nominal Trade Size	Outside Diameter of Plastic Pipe
3 in.	3.5 in.
4 in.	4.5 in.
6 in.	6.625 in.

Each device is packaged in a sealed plastic bag and includes a steel collar, intumescent silicone strip and installation instructions.

Fasteners are not included and must be purchased separately. For concrete, use 1/4x1-3/4 in. long steel concrete anchors and 1-1/4 in. diameter steel washers. For gypsum wallboard, use 1/8-in. diameter by 3-in. long molly bolts with 1/4-in. diameter by 3/4-in. washers and 1/4 in. diameter by 1-1/4 in. steel fender washers. **A/D FIREBARRIER Silicone** is required for 6-in. trade size.

Limitations:

Intended for plastic pipes up to 6-in. nominal diameter. Refer to UL and ULC systems for complete details. At the time of this writing, ULC listings for Canada with the 50 Pa test pressure differential, are limited to maximum 115 mm (4 in. nominal) diameter pipes.

Note: Applications for plastic pipes of 2 in. nominal trade size or smaller do not require collars and may be protected with other tested firestop systems using A/D FIREBARRIER Silicone or Intumescent Caulk.

Standards:

A/D FIREBARRIER Collars have been fire tested in accordance with ANSI / UL 1479, "Fire Tests of Through-Penetration Fire Stops" (ASTM E 814) and ULC-S115-95, "Standard Method of Fire Tests of Firestop Systems."

3. TECHNICAL DATA

A/D FIREBARRIER Collars are listed by Underwriters Laboratories Inc, (UL) and Underwriters Laboratories of Canada (ULC). For details of rated firestop systems refer to UL's Fire Resistance Directory, Volume 2 and

ULC's List of Equipment and Materials, Firestop Systems and Components.

ULI Systems: C-AJ-2186, C-AJ-2187, W-L-2155, FC2154 and FC2194.

ULC Systems: SPC52, SPC53, SPC56 and SPC59

4. INSTALLATION

Floors: A/D FIREBARRIER Collars must be installed at the underside of floors.

Walls: Install one A/D FIREBARRIER Collar on each side of wall.

General:

Refer to the applicable UL or ULC fire test system to ensure site installation details match the design selected.

Collar size must match pipe size as indicated in above table.

Pipe surfaces and floor and wall surfaces at area of installation must be free of dirt, obstructions or other materials that would interfere with installation and operation of the firestop device.

Seal space between 6-in. pipe and perimeter of opening at topside of floor and at both sides of walls with A/D FIREBARRIER Silicone (Not required for pipe sizes less than 6 in.).

Remove Collar from bag. Fit intumescent strip and steel collar over pipe and slide up to and against floor or wall with fastening tabs oriented toward floor or wall. Ends of intumescent strip should butt together as collar is closed. Mark fastener locations on floor or wall. Rotate collar and drill holes for fasteners in floor or wall. Rotate collar back into position. Fit collar-locking tab into retainer and

bend excess length of tab back over retainer with pliers. Fasten collar to floor or wall with fasteners at each anchor tab location. (See Fasteners note above for types).

Precautions:

When using tools, follow instructions of manufacturer. Use all recommended safety

equipment. Eye protection is always recommended. Edges of collars may be sharp - handle with care. Dispose of bag in a safe manner. **Keep bag and product out of reach of children.** Intumescent strip component may be harmful or fatal if ingested. To use this product safely,

read and abide by the Material Safety Data Sheet (MSDS).

5. MAINTENANCE

No maintenance should be required. If unit becomes physically damaged, replace with a new unit.



A/D FIRE PROTECTION SYSTEMS

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