

## PRODUCT DESCRIPTION

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

<b>Basic Use</b>	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.
<b>Composition and Materials</b>	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.
<b>Limitations</b>	Intended for plastic pipes up to nominal 152mm (6-in.) diameter. Refer to UL and cUL systems for complete details. Note: Applications for plastic pipes of nominal 51mm (2 in.) trade size or smaller do not require collars and may be protected with other tested firestop systems using A/D FIREBARRIER Silicone, A/D FIREBARRIER Intumescent Sealant II or A/D FIREBARRIER Wrap Strip.

## TECHNICAL DATA

<b>General</b>	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 <i>UL's Fire Resistance Directory, Volume 2</i> .
<b>Standards</b>	A/D FIREBARRIER Collars have been fire tested in accordance with <i>ANSI / UL 1479, "Fire Tests of Through-Penetration Fire Stops"</i> (ASTM E 814) and <i>CAN/ULC-S115, "Standard Method of Fire Tests of Firestop Systems"</i> .

## INSTALLATION

<b>General</b>	Refer to the applicable UL or cUL fire test system to ensure site installation details match the design selected. Collar size must match pipe size as indicated in below 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 152mm (6-in.) pipe and perimeter of opening at top side of floor and at both sides of walls with A/D FIREBARRIER Silicone (Not required for pipe sizes less than 152mm (6 in.)).
<b>Installation</b>	<ol style="list-style-type: none"> <li>1. Remove Collar from bag.</li> <li>2. 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.</li> <li>3. Mark fastener locations on floor or wall.</li> <li>4. Rotate collar and drill holes for fasteners in floor or wall.</li> <li>5. Rotate collar back into position.</li> <li>6. Fit collar-locking tab into retainer and bend excess length of tab back over retainer with pliers.</li> <li>7. Fasten collar to floor or wall with fasteners at each anchor tab location. (See Fasteners note below for types).</li> </ol>
<b>Floors/ Walls</b>	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.
<b>Fasteners</b>	Fasteners are not included and must be purchased separately.
<b>Concrete</b>	Use nom. 64mm x 45mm (1/4 x 1 1/4 in.) long steel concrete anchors and nom. 32mm (1 1/4 in.) diameter steel washers.
<b>Gypsum Wallboard</b>	Use nom. 3.175 mm (1/8 in.) diameter by 76mm (3 in.) long molly bolts with nom. 6.4mm (1/4 in.) diameter by 19.05mm (3/4 in.) washers and nom. 64mm (1/4 in.) diameter by 32mm (1 1/4 in.) steel fender washers. A/D FIREBARRIER Silicone is required for nom. 152mm (6 in.) trade size.

**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 Safety Data Sheet (SDS).

## PACKAGING & STORAGE

	Nominal Trade Size	Outside Diameter of Plastic Pipe	Units per box
<b>Packaging</b>	76mm (3 in.)	89mm (3.5 in.)	28
	102mm (4 in.)	114mm (4.5 in.)	28
	152mm (6 in.)	168mm (6.625 in.)	24

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

**Storage** | A/D FIREBARRIER Collars should be stored in their original and unopened container at 2 to 49°C (35 to 120°F)

## MAINTENANCE

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