

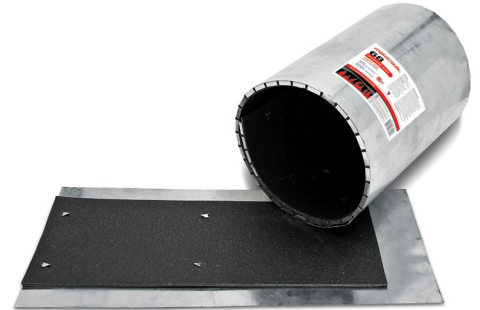
# METACAULK® INTUMESCENT SLEEVE

Firestop Device

### Description

Metacaulk® Intumescent Sleeve is a firestop seal for PVC, cc-PVC, CPVC, FRPP, PP, ABS and PVDF pipe, PEX and rigid, non-metallic conduit installations, transitions from PVC to metallic. Easily installed without modifications, steel bolts or fasteners, the Intumescent Sleeve is an ideal approach for firestopping combustible pipes penetrating the uneven contours of a concrete fluted deck assembly. It eliminates the need for collars or wrap strips and is great for use on pipes that penetrate walls at less than a 90° angle. It also eliminates the need to firestop on both sides of a penetration.

The Intumescent Sleeve easily wraps around pipes and is manufactured from a durable galvanized steel outer shell that is lined with a highly intumescent material. The Intumescent Sleeve is fastened with either fiberglass tape, pop rivets or hose clamps around the pipe. When used with Metacaulk 1000 or 150+ Sealant, it produces an immediate smoke seal.



### Applications

Metacaulk Intumescent Sleeve will firestop both sides of wall when installed from either side and provides a cost-effective alternative to collars for pipes going through walls and floors. The Intumescent Sleeve can also be used in applications that require retrofit.

The Intumescent Sleeve can be used with PVC, cc-PVC, CPVC, FRPP, PP, ABS and PVDF pipe. PEX and rigid, non-metallic conduits in sizes ranging from 2 inch to 8 inch. The Sleeve has been tested for use in concrete floor/wall installations and concrete fluted deck assemblies. For application with 8 inch (20 cm) diameter or smaller PVC and CPVC, the sleeve has been approved with an optional sleeve (S/10 or heavier) cast or grouted into the floor or wall.

### Characteristics | Features

- No steel bolts or fasteners
- Can be retrofitted
- Flexible
- Tested in accordance with ASTM E814 (UL 1479) & CAN/ULC-S115
- VOC compliant - CDPH Standard Method v1.2
- Complies to UL required Accelerated Aging and High Humidity Testing

### Packaging

| Code  | Size       | Qty. per Case | Dimensions (in) | Cubic Feet |
|-------|------------|---------------|-----------------|------------|
| 66584 | 2", 3", 4" | 6             | 20x9x2          | .23        |
| 66582 | 6", 8"     | 1             | 18x8x.25        | .02        |

### Installation Data

RectorSeal Intumescent Sleeves are pre-firestopped and very easy to install

**Step 1** Select the proper sleeve to fit the diameter of pipe used – Use the 234 sleeve for 2 in. (51 mm) or 3 in. (76 mm) or 4 in. (102 mm) diameter pipe OR the 68 sleeve for 6 in. (152 mm) or 8 in. (203 mm) diameter pipe.

**Step 2** Determine the number of sleeves required for application.

**Step 3** Determine method of sleeve fastening to be used (fiberglass tape, pop rivets, hose clamps or tie wire).

**Step 4** For installation, wrap the sleeve around pipe from above or below floor or either side of wall with the intumescent material side facing pipe, allowing bare metal end to overlap approximately 2 in. (51 mm).

**Step 5** Secure the sleeve around pipe with selected fastening method.

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**Step 6** Push/slide the sleeve through assembly so that it is centered within floor and/or ceiling or centered within wall. The ends of the sleeve should extend the same distance beyond each side of the floor or wall surface.

**Step 7** The Sleeve requires a minimum 0.25 in. (6 mm) annular space. Following sleeve installation, a backing material, such as backer rod compressed into the space may be used. Recess backing material to accommodate the required depth of sealant.

**Step 8** Fill annular space cavity with the required depth of firestop sealant.

Consult UL Product iQ for complete instructions and system listings

### Testing Data

Metacaulk Intumescent Sleeves are classified by Underwriters Laboratories as a Firestop Device. For specific test criteria, see the UL Product iQ or call RectorSeal. Metacaulk Intumescent Sleeves were tested at a minimum .01 inches (2.5 Pa) of water positive pressure in accordance with UL 1479 (ASTM E814) test standards. Complies to Accelerated Aging and High Humidity Environmental Exposure Tests for Intumescent Material per UL 1479 Fire Test of Through-Penetration Firestops.

Tested to standards of CAN/ULC S115, S101 and S102.



### Material Properties

|                       |      |
|-----------------------|------|
| Asbestos Fillers      | None |
| Solvents              | None |
| Hazardous Ingredients | None |

### Activation of Intumescence:

|                  |               |
|------------------|---------------|
| Expansion Begins | 375°F (190°C) |
|------------------|---------------|

| Trade Size       | Outer Diameter      |
|------------------|---------------------|
| 2 in. (5.08 cm)  | 2.375 in. (6.03 cm) |
| 3 in. (7.62 cm)  | 3.5 in. (8.9 cm)    |
| 4 in. (10.16 cm) | 4.5 in. (11.4 cm)   |
| 6 in. (15.24 cm) | 6.625 in. (16.8 cm) |
| 8 in. (20.32 cm) | 8.635 in. (21.9 cm) |

### Inspection & Repair

RectorSeal recommends that a firestop system inspection be conducted during installation of the material in accordance with ASTM E2174 and ASTM E2393. In the event post-installation inspection and destructive sampling is necessary, RectorSeal advises repairing the damaged firestop system by replacing any material that was removed or damaged with the same product originally installed, and ensuring the assembly matches the original firestop listing. RectorSeal advises, that due to the chemical nature of firestop products and sealants, material depth should be determined by measuring the points of adhesion at the substrate bond area as sealants may decrease in size during the curing process.

### Storage & Handling

Metacaulk Intumescent Sleeve should be stored in a dry place. Keep product stored under protective cover in original container. A stock rotation program is recommended.

### Limitations

Not for use in outdoor environments where long-term exposure to rainfall or saltwater spray may occur. No other limitations known if used as directed.

### Cautions

**KEEP OUT OF REACH OF CHILDREN.**

For additional information, refer to Safety Data Sheet (SDS).

### Limited Warranty



For more information on our product warranty, visit [rectorseal.com](http://rectorseal.com).

Manufactured by

**RectorSeal, LLC**

**2601 Spenwick Drive • Houston, TX 77055, USA • 800-231-3345 • Fax 800-441-0051 • [rectorseal.com](http://rectorseal.com)**

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