



A CSW Industrials Company



PRODUCT DATA SHEET

For list of systems see metacaulk.com.



METACALK® INTUMESCENT SLEEVE
Firestop Device

1. Product Description

Metacaulk® Intumescent Sleeve is a firestop seal for PVC, cc-PVC, CPVC, FRPP, PP, ABS and PVDF pipe and rigid non-metallic conduit installations. 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 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.

Metacaulk® Intumescent Sleeve Features

- Saves on Labor Cost
- Easy Installation
- Economical
- No Measurement of Material Required
- Can be retrofitted, easily removed

and replaced

- Highly Intumescent
- Tested for PVC, CPVC, ABS and PVC/ABS Foam Core, FRPP, PP, PVDF

2. Material Properties

Asbestos Fillers	None
Solvents	None
Hazardous Ingredients	None

Activation of Intumescence:

Expansion Begins 375°F (190° C)

3. 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 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 and rigid, non-metallic conduits in sizes ranging from 2 in to 8.0 in. The Sleeve has been tested for

use in concrete floor/wall installations and concrete fluted deck assembly. For application with 8 in. (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.

4. Installation Data

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

- 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.
- 2) Determine the number of Sleeves required for application.
- 3) Determine method of sleeve fastening to be used (fiberglass tape, pop rivets, hose clamps or tie wire).
- 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).
- 5) Secure the sleeve around pipe with selected fastening method.
- 6) Push/slide the sleeve through assembly so that it is centered within floor and/or ceiling or centered within wall. The ends of



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Metacaulk® INTUMESCENT SLEEVE

the sleeve should extend the same distance beyond each side of the floor or wall surface.

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.

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

Consult UL Directory for complete instructions and system listings

5. Testing Data

Metacaulk® Intumescent Sleeves are classified by Underwriters Laboratories as a Firestop Device. For specific test criteria, see the UL Fire Resistance Directory 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. Tested to CAN/ULC-S115 (Fire Tests of Firestop Systems) test standards. Complies to Required Environmental Exposure Testing of Accelerated Aging and High Humidity as per UL 1479 Fire Test of Through-Penetration Firestops.

6. Storage & Handling

Metacaulk® Intumescent Sleeve should be stored in a dry place. Keep product stored under protective cover in original container. Products have a shelf life of 2 years subject to re-inspection there after. A stock rotation program is recommended.

7. Inspection & Repair

RectorSeal recommends firestop system inspection is conducted during installation of the material in accordance with ASTM E2174 and ASTM E 2393. 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.

8. Availability

The 234 Metacaulk® Intumescent Sleeves can be used on a 2" (5 cm), 3" (8 cm) or 4" (10 cm) pipe. The dimensions of the 234 Sleeve is 17" x 8" (43 cm x 20 cm). The 68 Sleeve can be used on a 6" (15 cm) or 8" (20 cm) (trade diameter) plastic pipe. The dimension of the 68 sleeve is 31" x 10" (79 cm x 25 cm).

9. 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.

10. Cautions

KEEP OUT OF REACH OF CHILDREN.

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Description	Part No.	Trade Size	Outer Diameter
234 Sleeve	66584	2.0 in. (5.08 cm)	2.375 in. (6.03 cm)
		3.0 in. (7.62 cm)	3.5 in. (8.9 cm)
		4.0 in. (10.16 cm)	4.5 in. (11.4 cm)
68 Sleeve	66582	6.0 in. (15.24 cm)	6.625 in. (16.8 cm)
		8.0 in. (20.32 cm)	8.625 in. (21.9 cm)

11. LIMITED WARRANTY

RectorSeal, LLC makes the Limited Express Warranty that when the instructions for storage and handling of our products are followed we warrant our products to be free from defects. THIS LIMITED EXPRESS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION ON THE PART OF RECTORSEAL, LLC. The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and RectorSeal, LLC shall not be liable for incidental or consequential damages.

Suggestions and recommendations covering the use of our products are based on our past experience and laboratory findings. However, as we have no control as to the methods and conditions of application, we only assume responsibility for the uniformity of our products within manufacturing tolerances.

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