



A CSW Industrials Company

# PRODUCT DATA SHEET

## METACALK® FIRESTOP PILLOWS Intumescent Pillows for Large Openings

### Description

Metacalk® Firestop Pillows are designed for use primarily in large openings with cables, cable trays, blank openings or multiple penetrating items. In the event of a fire, Metacalk Firestop Pillows will prevent the spread of flames and hot gases through the openings. Since no cure time is required, RectorSeal® Firestop Pillows are ready to install. Metacalk Firestop Pillows are reusable since they can be removed and reinstalled if necessary.



### Applications

Metacalk Firestop Pillows are generally used for larger openings. These openings may contain cables, cable trays, pipes, conduits or nothing at all. They are also excellent for temporary openings.

### Characteristics | Features

- Easy to install - No tools required
- Versatile
- Highly intumescent
- Forms a very hard char when burned
- No Wire Mesh Required in Certain Installations

### Packaging

Code	Size	Qty. per Case	Dimensions (in)	Cubic Feet
66362	2"x9"x6"	10	11 1/4 x9 1/4 x12 1/2	.34
66363	3"x9"x6"	10	10x17x13	.51

### Installation Data

Estimate the number of bags required, by performing the following calculation.

- Calculate the size in square inches of the opening to be firestopped.
- Calculate the area in square inches required by the penetrating items.
- Subtract (B) from (A) and divide by the coverage shown in the chart below.

Pillow Size	30% Compression	20% Compression
3"x9"x6"	18.90 sq. in.	21.60 sq. in.
2"x9"x6"	12.60 sq. in.	14.40 sq. in.

### Material Properties

Asbestos Fillers	None
Solvents	None
Hazardous Ingredients	None
Color	Red
Sizes	2"x9"x6" 3"x9"x9"



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Metacaulk Firestop Pillows have been tested to give a choice of two methods:

- If wire mesh will be used, the pillows must be installed by being compressed a minimum of 20%.
- If wire mesh will not be used, the pillows must be compressed a minimum of 30%.

Example: (using 3"x9"x6" pillows without wire mesh)

12" x 24" opening = 288 sq. in.

3" x 18" cable tray = 54 sq. in.\*

Subtract 54 sq. in. from 288 sq. in. to get the area to be firestopped:

Opening = 288 sq. in.

Less cable tray = 54 sq. in.

To be Firestopped = 234 sq. in.

Divide by 18.90 = 12.38 or 13 pillows.

**NOTE:** Always start with the largest pillow (3"x9"x6") to cover the maximum space. Use the smaller size to fill in where required. Calculations are based on pillows being installed with 6" dimension going through the wall or floor. In order to achieve a more economical system, Metacaulk® Mortar can be used to reduce large openings into smaller ones and pillows can then be used for the remaining area. All calculations are approximate. User must verify.

Install the pillows taking care to compress each to form a tight seal within the penetration.

## Testing Data

Metacaulk Firestop Pillows are classified by Underwriters Laboratories as a Fill, Void or Cavity Material. For specific test criteria see UL Product iQ. Metacaulk Firestop Pillows were tested to a positive pressure at a minimum .01 inches of water in accordance with UL 1479 and ASTM E814 test standards. Tested to CAN/ULC- S115 (Fire Tests of Firestop Systems) test standards. Classified Through-Penetration Fire Stop System Numbers



## 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 Firestop Pillows should be stored between 0°F and 150°F. For easier installation, bring pillows to room temperature before installing. Keep products stored under protective cover, in their original containers. A stock rotation program is recommended.

## Limitations

To be used only in the tested configurations or as recommended by RectorSeal.

## Cautions

**FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT.**

**PRECAUTIONS:** Do not take internally. May be harmful if swallowed.

**KEEP OUT OF REACH OF CHILDREN.**

For additional information, refer to Safety Data Sheet.

## 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.



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