



A CSW Industrials Company

PRODUCT DATA SHEET

METACAULK® FIRESTOP PILLOWS Intumescent Pillows for Large Openings

Description

Metacaulk® 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, Metacaulk Firestop Pillows will prevent the spread of flames and hot gases through the openings. Since no cure time is required, Metacaulk Firestop Pillows are ready to install. Metacaulk Firestop Pillows are reusable since they can be removed and reinstalled if necessary.



Applications

Metacaulk 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 x 9 1/4 x 12 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" |

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 2"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 12.60 = 18.57 or 19 pillows.

METACAULK® FIRESTOP PILLOWS

Intumescent Pillows for Large Openings

NOTE: Always start with the largest pillow (2"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 or call RectorSeal. 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 the time-temperature requirements of ASTM E119 (UL 263). Classified Through-Penetration Fire Stop System Numbers

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



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, CALL CHEMTREC-DAY OR NIGHT 1-800-424-9300.

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

KEEP OUT OF REACH OF CHILDREN.

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



For more information on our product warranty, visit rectorseal.com.

Distributed by

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