



A CSW Industrials Company

# PRODUCT DATA SHEET

## METACAULK® BLAZESEAL™ Fire door strip

### Description

A flexible, highly intumescent firestop material used in fire rated door and door frame assemblies. BlazeSeal is designed to maintain positive pressure as required in testing to the new fire door standards UL 10C and NFPA 252, and complies with the requirements of IBC 716.2. Our advanced technology is designed to produce multi-staged intumescence. This type of expansion offers superior fire protection while reducing the amount of material required to achieve the desired fire rating. In addition, BlazeSeal forms a strong char to seal the door to frame clearance, thus preventing the passage of flames, smoke, and hot gases.



### Applications

Metacaulk BlazeSeal is installed as an integral part of fire door assemblies to provide a positive pressure seal in the clearance area between the door and frame or at the assembly threshold in the event of fire. BlazeSeal may also be used to prevent the passage of flames, hot gases, or smoke through hardware, such as closers and locks and may be used as a glazing seal in frame assemblies utilizing fire rated glass in both doors and side lites.

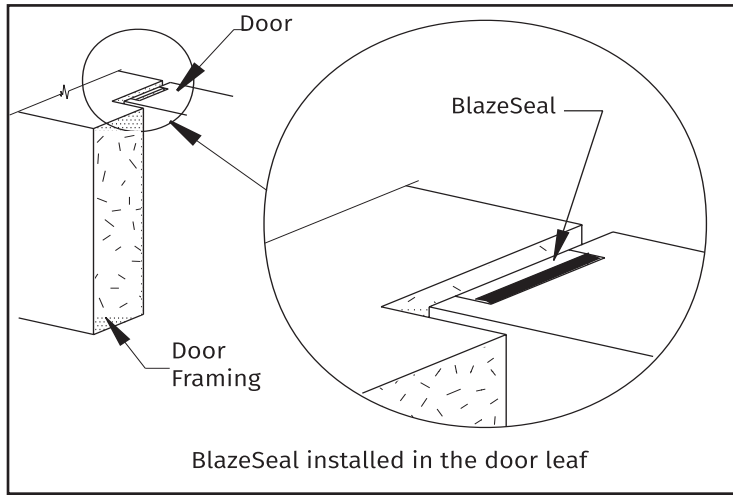
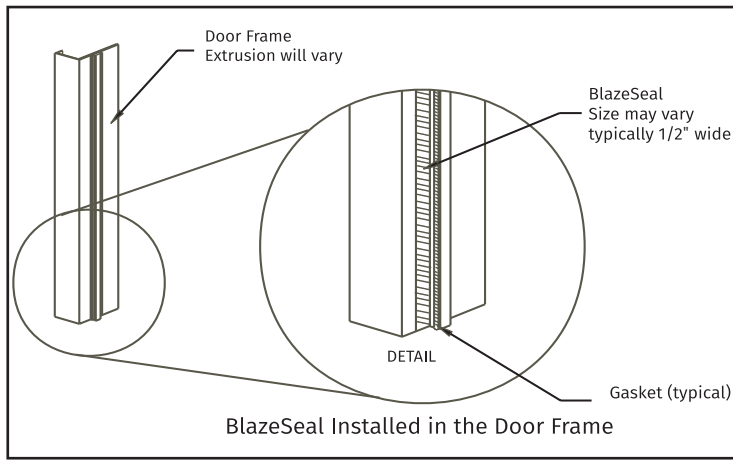
### Characteristics | Features

- Easy to install
- Versatile, flexible
- Highly intumescent (multi-staged)
- Forms a strong char to prevent passage of flame, smoke and hot gases

### Packaging

| Code  | Size                            | Qty. per Case | Dimensions (in) | Cubic Feet |
|-------|---------------------------------|---------------|-----------------|------------|
| 66064 | 2mm x 12.5" x 82ft w/ adhesive  | 1             | 12x12x14        | 1.17       |
| 66048 | 2mm x 1" x 82ft w/ adhesive     | 12            | 12x12x14        | 1.17       |
| 66156 | 1.5mm x 1/2" x 21ft w/ adhesive | 12            | 7x7x8           | .23        |
| 66555 | 1.5mm x 1/2" x 82ft w/ adhesive | 24            | 12x12x14        | 1.17       |
| 66018 | 2mm x 1/2" x 82ft w/ adhesive   | 24            | 12x12x14        | 1.17       |

Blazeseal is available in a broad range of standard widths, lengths and thickness as well as custom sizes, call Customer Service for more information.



## Material Properties

|                      |           |
|----------------------|-----------|
| Carcinogenic Fillers | None      |
| Solvents             | None      |
| Color                | Dark Gray |

### ASTM E84, UL 723 Tunnel Test

|              |   |
|--------------|---|
| Flame Spread | 5 |
| Smoke Index  | 5 |
| UL 10C       |   |

## Installation Data

BlazeSeal is installed on either the door frame or the leaf of the door. It may be installed with an appropriate adhesive either in a channel or flush to the surface. BlazeSeal may be supplied with a factory applied pressure sensitive adhesive film. Consult UL Product iQ for complete instructions and system listings.

## Testing Data

Metacaulk BlazeSeal has been tested to the requirements of IBC 716.2, it was tested in accordance with the German Institute of Building Technology standard DIN 4102-1, and meets the requirements of the British Standard B.S. 476. It has been tested as a through penetration firestop sealant to ASTM E-814 / UL 1479. Complies to Required Environmental Exposure Testing of Accelerated Aging and High Humidity as per UL 1479 Fire Test of Through-Penetration Firestops.

Degree of intumescence per DIN standard  
 $\geq 18x$  with weight imposed  
 $\geq 37x$  free intumescing



## 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 BlazeSeal should be stored between 35°F (2°C) and 120°F (49°C). Keep products stored under protective cover, in their original containers. A stock rotation program is recommended. Shelf life of the product is indefinite.

## 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. May cause eye and skin irritation if prolonged or repeated contact occurs. Wash after handling. **FIRST AID:** For any overexposure, get immediate medical attention after first aid is given. **EYES-**Flush 15 minutes with clean water. **SKIN-**Wash with soap and water. **INHALATION-**Remove to fresh air. **INGESTION-**Only if conscious, give large amounts of water and INDUCE VOMITING. **FIRE AND SPILLS:** Use water fog, CO<sub>2</sub>, foam, or dry chemicals. Wipe up spills to prevent footing hazard. Clean up with scrapers and water. **STORAGE AND HANDLING:** Store away from heat sources. Keep container closed. Do not reuse empty container. **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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