1. Product 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 of the Uniform Building Code, UBC 7-2 and UL 10C. Our advanced technology allows the material to display multiple 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. BlazeSeal™ stands up to the hose stream test required by UBC 7-2.

Metacaulk® BlazeSeal™ Features
• Easy to install
• Cost effective / Less material required

2. Material Properties
Contains no carcinogenic fillers
Contains no solvents
Standard Color: Dark Gray (Colored protective PVC coating available)

Activation of Intumescence:
Expansion Begins 375ºF (190ºC)

3. Testing Data
Metacaulk® BlazeSeal™ has been tested to the requirements of UBC 7-2, 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
≥18x with weight imposed
≥37x free intumescing

ASTM E 84, UL 723 Tunnel Test
Flame Spread 5
Smoke Index 5

4. Application and Installation
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
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 Directory for complete instructions and system listings.

5. 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.

6. Availability
Metacaulk® BlazeSeal™ is available in a broad range of standard widths, lengths and thickness as well as custom sizes. BlazeSeal™ is ready to use, requires no further preparation.

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

8. Cautions
For chemical emergency, spill, leak, fire, exposure or accident, call CHEMTREC-DAY OR NIGHT 1-800-424-9300.

9. Limited Warranty
RectorSeal 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. 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 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.