

# PRODUCT DATA SHEET

## BIOSTOP® 350i Firestopping Sealant

April 2016



For list of systems see [biofireshield.com](http://biofireshield.com)

### 1. Product Description

BIOSTOP® 350i is a one component, general purpose fire rated sealant and smoke seal for construction joints and around penetrations through fire rated walls and floors. BIOSTOP® 350i is a water based, extremely intumescent, non-sag caulking grade sealant that is easy to apply as well as to retrofit. It cures to an elastomeric seal that is suitable where dynamic movement is expected. In the event of a fire, BIOSTOP® 350i will prevent the spread of flames, smoke, hot gases and water through joint openings and through-penetrations. No dilution or mixing is required for use. No special skills are necessary for installation. BIOSTOP® 350i is applied with a conventional caulking gun, bulk loading gun or can be troweled from the pail. For large applications, it can be pumped directly from the pail. BIOSTOP® 350i is rated for 1, 2 and 3 hours and has been tested in accordance with the ASTM E814, (UL 1479), UL 2079 and ULC-S115-95 test standards. BIOSTOP® 350i is protected in a wet stage as well as in a dry stage against mold growth with a combination of biocides.

Use BIOSTOP® 350i for various applications:

Through Wall/Floor Penetrations  
 Top of the Wall Construction Joints  
 Deflection Track Wall Systems  
 Wall to Floor Joints  
 Floor to Wall Joints  
 Concrete on Steel Deck to Wall  
 1, 2 and 3 Hour Gypsum Walls  
 Concrete and Concrete Block Walls (CMU)  
 Up to 2" PVC/CPVC (open)  
 Crosslinked Polyethylene (PEX) tubing  
 Steel, Copper, Cast Iron and EMT Pipe  
 Fiberglass Insulated Pipe  
 AB/PVC/CPVC Insulation Pipe

Telephone/Power Cables  
 Acoustical sealant

For a complete list of product applications or for additional technical information, call RECTORSEAL for the latest updated information.

### BIOSTOP® 350i Features

- Highly Intumescent
- Water Based
- Excellent Freeze-Thaw
- Flexible Set
- Paintable
- VOC Compliant
- Safe and Easy to Use
- Minimum 3 Year Shelf Life
- Protected from mold growth

### 2. Material Properties

Asbestos Fillers           None  
 Solvents                   None  
 Hazardous Ingredients   None

Application                Caulking  
                                   Gun or  
                                   Trowel

Application temperature  
                                   between 40°F - 120°F  
                                   4°C - 49°C

Activation of Intumescence:

Expansion Begins       375° F  
 Expansion Greatest   575° to  
                                   1100° F

Color                       Dark Red

Fully Cured Time       3 to 4 weeks  
                                   (at 77° F)

Density                    10.5 +/- 0.5  
                                   lbs./gal.  
                                   1.25 g/cc

Elastomeric	Yes
Freeze-Thaw	Excellent
Skin Over Time	30 min. (at 77° F)
pH Value	6.5 to 7
Volume Coverage:	
for 10.3 oz. tube	18 cu. in.
for 20.2 oz.	35.3 cu. in.
for 5 gallon	1155 cu. in.
VOC	Negligible

### ASTM E 84, UL 723 Tunnel Test

Flame Spread	5
Smoke Index	10

STC 53\*

\*Tested in a UL 411 wall assembly/section to ASTM E90.

### 3. Applications

BIOSTOP® 350i can be used in interior applications as a general purpose fire rated sealant and smoke seal for construction joints on both vertical and horizontal surfaces. Also, for applications around penetrations through fire rated walls and floors. BIOSTOP® 350i is an excellent fire rated acoustical sealant and can be used in areas under constant vibration or movement. Use BIOSTOP® 350i to prevent the spread of fire and smoke through joints in fire rated gypsum wallboard partitions, concrete block or concrete walls and/or concrete or corrugated steel deck floor/ceiling assemblies.

### 4. Installation Data

Install BIOSTOP® 350i using standard caulking techniques or trowel from

pails. BIOSTOP® 350i may also be pumped from the pails. When damming materials are needed, use only materials approved for the specific application.

### 5. Testing Data

BIOSTOP® 350i has been tested in accordance with UL 2079 and listed at Warnock Hersey International, Inc. For specific test criteria, refer to the UL's Fire Resistance Directory or Warnock Hersey International Listing Directory or call RECTORSEAL .

BIOSTOP® 350i was tested at positive pressure with a minimum 0.01 inches (2.5 Pa) water and in accordance with ASTM E814, (UL 1479) UL 2079 and CAN4-S115-M85.

Complies to UL Required Environmental Exposure Testing of Accelerated Aging and High Humidity for intumescant material as per UL 1479 Fire Test of Through-Penetration Firestops.



FBC™ System Compatible\* indicates that this product has been tested, and is monitored on an ongoing basis, to assure its chemical compatibility with FlowGuard Gold®, BlazeMaster® and Corzan® pipe and fittings.

FBC, FlowGuard Gold®, BlazeMaster® and Corzan® are licensed trademarks of the Lubrizol corporation.

### 6. Storage & Handling

BIOSTOP® 350i should be stored

between 35° and 120°F. to obtain a minimum 3 year shelf life. NOTE: Do not dilute, no mixing is required. Best if protected from freezing. If freezing occurs, thaw completely before using. Keep products stored under protective cover in original containers.

### 7. Availability

BIOSTOP® 350i is available in 10.3 oz. & 30 oz. caulking tubes, 20.2 oz. sausage packs and in 2 & 5 gallon pails.

### 8. Limitations

BIOSTOP® 350i is not designed to be used in areas under continuous immersion or in areas which would be continuously wet. BIOSTOP® 350i should not be used against hot uninsulated surfaces above 300° F.

### 9. 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 Material Safety Data Sheet.

**For additional technical service,  
call: 1-800-231-3345  
fax: 1-800-452-2824**

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### 10. 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.