



A CSW Industrials Company



PRODUCT DATA SHEET

For list of systems see biofiresield.com.

BIO THERM™ 100, CAULK GRADE AND SELF LEVELING

1. Product Description

Biotherm™ 100 is asbestos free single component silicone through-penetration firestop sealants. Available in two grades caulk grade and self leveling. Biotherm™ 100 is waterproof and flexible sealants that are suitable for both interior and exterior conditions as well as where dynamic movement is expected. In the event of a fire, Biotherm™ 100 will prevent the spread of flames, smoke, hot gases and water through joint openings. Biotherm™ 100 is UL Classified for both flame and temperature ratings under ASTM E 814 (UL 1479) for 1, 2 and 3 hour rated assemblies. Tested to CAN/ULC-S115 (Fire Tests of Firestop Systems) test standards. The flexibility of Biotherm™ 100 compensates for mechanical movement of pipes, conduits, electrical cables, expansion joints and wall/floor junctions. Biotherm™ 100 is protected in a wet stage as well as in a dry stage against mold growth with a combination of biocides.

Biotherm™ 100 Firestop Sealant Features

- Gun Grade and Self leveling
- Flexible Set
- Safe and easy to use
- Interior and exterior use
- Asbestos free

2. Material Properties

Asbestos Fillers	None
Solvents	None
Hazardous Ingredients	None
Color	Gray
Density (caulk grade)	11.9 +/- 0.3 lbs./gal.
Elastomeric	Yes
Freeze-Thaw	Excellent
Tack free Time	20 min. (caulk grade)
Volume Coverage:	
for 1 tube	18.3 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

	caulk	SL
Flame Spread	<10	<10
Smoke Spread	<25	<50



Biotherm 100 meets ASTM C920, Type S, Grade NS, Class 25, Use NT, M, G, A, O

Sound Transmission Class
STC 55*

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

3. Applications

Biotherm™ 100 caulk grade is a general purpose firestop sealants for electrical, plumbing, and communication systems penetrations. Biotherm™ 100 Self Leveling for curtain wall and floor joint applications.

4. Installation Data

After packing the opening with the necessary type and minimum depth of backing material, apply the required amount of sealant by trowel, caulk gun or by pouring into the opening. For specific information on design details, consult tested conditions or the recommendation of RectorSeal .

5. Testing Data

Biotherm™ 100 is classified by Underwriters Laboratories as Fill, Void or Cavity Material. For specific test criteria, see the UL Fire Resistance Directory Listings or call RectorSeal.



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.

For additional information, refer to Safety Data Sheet.

**For additional technical service,
call: 1-800-231-3345
fax: 1-800-441-0051**

6. Storage & Handling

Store off the ground on a dry area maintained between 40°F and 90°F. Products have a minimum shelf life of 2 years subject to re-inspection thereafter. A stock rotation program is recommended.

RECTORSEAL
2601 SPENWICK DRIVE HOUSTON, TEXAS 77055
www.biofireshield.com

7. Availability

Biotherm™ 100 caulk Grade
10.15 fluid ounces tubes
5 gallon pails
20.2 oz sausage
Biotherm™ 100 Self leveling
20.2 oz sausage

8. 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, CO₂, 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.**

9. 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.

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.