

PRODUCT DATA SHEET

Biotherm™ 100/200SL Firestop Sealants

Classified Through-Penetration Firestop System Numbers

FF1005, FWS1001, FWS1011, FFS1020, FFS1005, CAJ3125, CAJ3124, CAJ3030, CAJ3106, CAJ3029, CAJ3105, CAJ0056, CAJ1246, CAJ1245, CAJ8066, CAJ1031, CAJ3057, CAJ1253, CAJ1254, CAJ1255, CAJ1256, CAJ5108, CAJ5107, CAJ4039, CAJ6032, CAJ7036, WL0001, WL1010, WL3011, WL7022, WL1134, WL1135, WL3102, WL2139, WL1131, WL3103, WL3105, WL1011, WL3106, WL3011, WL4059, WL5079, WL6016, WL8017, WJ1051, WJ3029, WJ3029, WJ3030, HWS0022, HWS0024 and WWS1024.



1. Product Description

Biotherm™ 100/200SL are asbestos free single component silicone through-penetration firestop sealants. Biotherm™ 100 is a gun grade, and Biotherm™ 200SL is self-leveling. Biotherm™ 100/200SL are 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™ 100/200SL will prevent the spread of flames, smoke, hot gases and water through joint openings. Biotherm™ 100/200SL are UL Classified for both flame and temperature ratings under ASTM E 814 (UL 1479) for 1, 2 and 3 hour rated assemblies. The flexibility of Biotherm™ 100/200SL compensates for mechanical movement of pipes, conduits, electrical cables, expansion joints and wall/floor junctions. Biotherm™ 100/200SL is protected in a wet stage as well as in a dry stage against mold growth with a combination of biocides.

Biotherm™ 100/200SL 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 (Biotherm 100) 11.9 +/- 0.3
lbs./gal.

Elastomeric Yes

Freeze-Thaw Excellent

Tack free Time 20 min.
(Biotherm™ 100)

Volume Coverage:

for 1 tube 18.3 cu. in.

VOC Negligible

ASTM E 84, UL 723 Tunnel Test

	100	200SL
Flame Spread	3	0
Smoke Spread	22	33

STC 55*



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

3. Applications

Biotherm™ 100/200SL are general purpose firestop sealants for electrical, plumbing, and communication systems penetrations. Biotherm™ 200SL is 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™ 100/200SL are classified by Underwriters Laboratories as Fill, Void or Cavity Material. For specific test criteria, see the UL Fire Resistance Directory Listings or call RectorSeal.

6. Storage & Handling

Store off the ground on a dry area maintained between 40°F and 90°F.

7. Availability

Biotherm™ 100
10.15 fluid ounces tubes
5 gallon pails.

Biotherm™ 200SL
5 gallon pails.

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.**

For additional information, refer to Material Safety Data Sheet.

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

RECTORSEAL

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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.