PRODUCT DATA SHEET

RECTORSEAL® SMOKE AND ACOUSTIC SEALANT

High-grade acrylic latex

1. Product Description

RectorSeal Smoke and Acoustic Sealant is high grade acrylic latex sealant formulated to provide a permanent seal for penetrations, membrane openings, and static or dynamic joints in smoke or sound rated assemblies.

RectorSeal Smoke and Acoustic Sealant has been tested in accordance to the following standards: ASTM E84, ASTM E90, ASTM E1399, and tested for air leakage in accordance to modified UL 1479 and modified UL 2079.

RectorSeal Smoke and Acoustic Sealant meets the requirements for LEED criteria under Environmental Air Quality and Regional Materials.

RectorSeal Smoke and Acoustic Sealant is protected in a wet stage as well as in a dry stage against mold growth with a combination of biocides.

USES:

Smoke: Prevents the passage of smoke through walls or floors as required in smoke partitions.

Sound: Reduces the passage of sound through voids created in walls in accordance with ASTM E90.

Airborn Particles: Reduces the movement of materials carried by air such as dust and allergens as demonstrated in air leakage testing modified UL 1479 and modified UL 2079.

Use RectorSeal Smoke and Acoustic Sealant for various applications:

Metallic and nonmetallic pipes
Outlet and receptacle boxes
Membrane penetrations
Head of wall
Bottom of wall
Wall to wall joints

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

RectorSeal Smoke and Acoustic Sealant Features

- Highest STC rating in market*
- Easy to dispense
- Flexible
- Low VOC
- Meet LEED criteria
- Water clean up
- Paintable

* Tested to E90 standards as a smoke sealant

2. Material Properties

Asbestos Fillers	None
Solvents	None
Hazardous Ingredients	None
Application	Caulking Gun or Trowel, Spray
Color	Beige
Density	10.5 +/- 0.5 lbs./gal. 1.25 kg/L



Elastomeric	Yes
Freeze-Thaw	Excellent
Skin Over Time	30 min. (at 77˚ F/ 25˚C)
L Rating	<1 cfm/Lin. ft. (joints) <1 cfm/ sq. ft. (penetrations)
pH Value	6.5 to 7
Volume Coverage:	
for 5 gallon (18.9 liter)	1155 cu. in. (267 cu. cm/L)
VOC	<10 g/l

ASTM E 84, UL 723 Tunnel Test

Flame Spread	5
Smoke Index	0
ASTM E90	STC 69*

Class II and III Movement capability +-33% (tested to ASTM E 1399)

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

3. Applications

RectorSeal Smoke and Acoustic Sealant is designed to be used in interior applications to prevent the passage of smoke and impede the transfer of sound in non-fire rated assemblies. RectorSeal Smoke and Acoustic Sealant may be used in vertical and horizontal assemblies in linear joints in walls or floors. RectorSeal Smoke and Acoustic Sealant can also be installed around pipe, conduit, electrical cable,

ventilation duct, electrical boxes and any other through or membrane penetration in a non-fire rated vertical or horizontal assembly.

4. Installation Data

Install RectorSeal Smoke and Acoustic Sealant Caulk Grade with standard latex caulking tools and methods, trowel from pail, or pump from pail using manual or hydraulic tools. Use only approved backing material when needed.

For RectorSeal Smoke and Acoustic Sealant Spray Grade application, use recommended Sealant Spray Grade equipment. Contact Technical service at 1-800-231-3345 or 713-263-8001 for current recommendations.

NOTE: SPRAY EQUIPMENT CAN BE DANGEROUS! USE ONLY PROPERLY TRAINED PERSONNEL. FOLLOW ALL SAFETY AND OPERATION INSTRUCTIONS AND PROCEDURES.

TYPICAL
INSTALLATION

Linear Joint

Step 1)

Thoroughly clean joint opening to remove all loose material to allow for RectorSeal Smoke and Acoustic Sealant to be easily installed.

Step 2)

Gun, trowel or pump sealant to required depth and tool to be flushed with surface of wall or floor or spray or brush with appropriate equipment to required depth creating a complete seal.

Penetration

Step 1)

Thoroughly clean opening around penetrating pipe, conduit, duct or other miscellaneous item to allow for RectorSeal Smoke and Acoustic Sealant to be easily installed.

Step 2)

Gun, trowel or pump sealant to required depth and tool to be flush with surface of wall or floor or spray or bush with appropriate equipement to required depth creating a complete seal.

Consult RectorSeal for complete instructions and system listings.

5. Testing Data

Tested in accordance to the following standards:

ASTM E84, ASTM E1399, ASTM E90, modified UL 1479*, modified UL 2079*

* tested for air leakage at ambient temperature

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 trdemarks of the Lubrizol Corporation.

6. Storage & Handling

RectorSeal Smoke and Acoustic Sealant should be stored between 35˚F (2˚C) and 120˚ F (49˚ C). to obtain a minimum 2 year shelf life, subject to inspection. NOTE: Do not dilute, no mixing is required. Keep from freezing. Keep products stored under protective cover in original containers.

7. Availability

RectorSeal Smoke and Acoustic Sealant is available in 5 gallon (18.9 L) pails.

8. Limitations

RectorSeal Smoke and Acoustic Sealant is not designed to be used in fire rated assemblies, conditions that are immersed in water or continuously wet. RectorSeal Smoke and Acoustic Sealant application temperature range is 35°F to 120°F and should not be installed on un-insulated surfaces that exceed 120°F degrees.

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_2, 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 or 713-263-8001
fax: 1-800-452-2824 or 713-263-7577
www.rectorseal.com

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10. 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.