

COMPANY

Johns Manville, a Berkshire Hathaway company, was founded in 1858. Our ownership by Berkshire Hathaway, one of the most admired companies in the world and one of the most financially secure, allows JM to invest for the future. This enables JM to continue delivering the broadest range of insulation products in the industry and offering innovative solutions that meet your needs.

DESCRIPTION

Johns Manville Fireblock Polyurethane Foam Sealant ("JM Fireblock") is a low pressure one-component foam sealant designed to be used to fireblock penetrations between rooms and floors. This product is to be used in Type V residential applications and is not intended for hourly rated assemblies.

RECOMMENDED USE

JM Fireblock is designed to be a fireblock between floors and walls within framed residential construction. It is for professional use ONLY. It is chemically inert and non-reactive in approved applications, and will not harm electrical wire insulations, rubber, PVC, or other plastics. This product is not resistant to UV rays and should be painted or coated if it will be exposed.

APPLICATION

JM Fireblock is meant to be installed at temperatures between 65-80°F. Substrate must be clean, dry, and free of loose particles, dust, grease and mold released agents. Product is to be applied without thinning.

Review instruction panel on can. To apply, attach the can to the dispensing gun (available separately from Johns Manville), shake well, and pull the gun trigger to dispense. The dispensing guns can be controlled by varying the amount of pressure applied to the trigger, or by using the metering screw located in the back. Application can be interrupted when needed as outlined in the instructions and the dispensing gun will be ready for immediate reuse, as long as it remains attached to a pressurized container. An empty gun foam container must be replaced with a new container.

PRODUCT STORAGE

Store upright in a dry area and do not expose the product to open flame or temperatures above 122°F. Storage in excessive heat can cause premature aging, resulting in a shorter shelf-life. Shelf-life is 15 months from date of manufacture (see date located on bottom of each can).



PERFORMANCE ADVANTAGES

- Distinctive orange color – easily recognized as an approved fireblock product
- Resists moisture and mold
- Helps prevent flame spread between rooms and floors

SPECIFICATION COMPLIANCE AND PHYSICAL PROPERTIES

| Technical Data | Standard | Results |
|---|---|---|
| Density - Gun Foam | ASTM D 1622 | 1.00 lbs/ft ³ (16 kg/m ³) |
| K-factor | ASTM C 518 | 0.222 Btu-in/ft ² • h • °F |
| R-Value | ASTM C 518 | 4.50 per inch |
| Air Permeability @ 1.57 psf (75 Pa) | ASTM E 2178 | < 0.00028 cfm/ft ² (< 0.0014 L/s/m ²) |
| Compressive Strength - <i>parallel to rise</i> | ASTM D 1621 | 6.38 psi (43.9 kPa) |
| Tensile Strength - <i>parallel to rise</i> | ASTM 1623 | 12 psi (83 kPa) |
| Dimensional Stability | ASTM D 2126 | +/- 5% |
| Tack-Free | Tack-Free | Approx. 5 minutes |
| Closed-Cell Content | ASTM D 6226 | 77% |
| Cutable | - | 1 Hour |
| Fire Rating - Caulking & Sealant Tested 3 Beads @ 3/4" Thickness | CAN/ULC S102 | Flame Spread Index < 25 Smoke Developed < 50 |
| Fire Rating - Caulking & Sealant Tested 3 Beads @ 3/4" Thickness | ASTM E84/UL 723 | Flame Spread Index < 25 Smoke Developed < 50 |
| Fire Rating | ASTM E814-Modified | Alternative for maintaining the integrity of penetrations of fireblocking |
| NFPA 286 | Tested to allow for the use of JM Fireblock Sealant to be used without a thermal barrier when the maximum width must not exceed 1 7/16 inches and the nominal foam thickness must not exceed 1 1/2 inches. The maximum area of exposed sealants must not exceed 18 sq in per sq ft. | |

APPROVALS/STANDARDS/CLASSIFICATIONS

| | |
|--------------------------|----------------------------|
| ASTM E84/UL 723 | UL Classified File R-39012 |
| NFPA 30B | Level 2 Aerosol |
| VOC Content (calculated) | 165 g/L or 16% |
| UL Evaluation Report | ER39012-01 |

TEMPERATURE

| | |
|-----------------|-------------------|
| Product Storage | <122°F (50°C) |
| Application | 40-100°F (5-38°C) |
| Chemical | 65-80°F (18-27°C) |

YIELD* (1.00 Density); Linear Feet (Meters)

| | 1/4" (6.3mm) | 3/8" (9.5 mm) | 1/2" (12.7 mm) | Volume |
|-------------------------|------------------|-----------------|-----------------|-----------------------------|
| 24oz (680g) Gun Foam | 4403 ft (1342 m) | 1957 ft (596 m) | 1101 ft (336 m) | 1.50 ft ³ (42 L) |

*Yield is based on density. We state our core density when describing the foam. We use theoretical calculations for comparative purposes so the results will vary depending on ambient conditions and use in particular applications.