



Ignition Barrier Coating JM Spray Foam

PRODUCT DESCRIPTION

Johns Manville Ignition Barrier (IB) Coating is a single-component, water-based, intumescent coating designed for application as an ignition barrier over JM open and closed-cell spray foam products in attics and crawl spaces. JM IB Coating is formulated for application over polyurethane foam to reduce heat transfer and surface burning in the event of a fire.

UNIQUE PROPERTIES

JM IB Coating is formulated to adhere to polyurethane foam and a variety of other substrates. JM IB Coating, when installed properly, can eliminate the need for an ignition barrier between polyurethane foam and the service area of attics and crawl spaces.

GENERAL APPLICATION INSTRUCTIONS

JM IB Coating may be applied by medium-nap rollers, brushes or conventional or airless spray equipment designed to handle a tip size of 0.031 inches. Airless spray application is most efficient, whereas rolling or brushing may be used for touch-ups or to fill voids, pinholes, holidays or cracks. CONTACT JM TECHNICAL SERVICE PERSONNEL FOR SPECIFIC RECOMMENDATIONS, PRICING AND AVAILABILITY. Apply JM IB Coating only to clean, dry, sound surfaces, free of loose particles or other foreign matter that may interfere with the adhesion of the coating. Backrolling sprayed material may be necessary to fill pinholes in substrate. Final cured dry film thickness must be free of voids, pinholes, holidays, cracks or blisters. COATING APPLICATION SHOULD BE SUSPENDED IMMEDIATELY AND JM TECHNICAL SERVICE PERSONNEL CONTACTED IF THE RESULTS OBTAINED ARE LESS THAN DESIRABLE.

To be an effective ignition barrier, JM IB Coating should be applied to JM open and closed-cell products at a minimum application rate of 0.6 gallons per 100 square feet and minimum dry film thickness of 5 mils (5 mils equates to a wet film thickness of 9.6 mils).

Rough surface profiles, which increase total surface, will require a proportionate increase in the amount of JM IB Coating to satisfy specified minimum dry mil thickness.

LIMITATIONS AND PRECAUTIONS

JM IB Coating is a water-based intumescent coating that will freeze and become unusable at temperatures below 32°F.

PROTECT FROM FREEZING DURING SHIPMENT AND STORAGE. Do not store material at temperatures below 50°F. Do not apply JM IB Coating when ambient air and substrate temperatures fall below 50°F or when there is a possibility of temperature dropping below 32°F within a 24-hour period after application.

Do not apply over wet substrates. Total cure of JM IB Coating requires complete evaporation of water. Cool temperatures and high humidity retard cure. Therefore, do not apply if weather conditions prevent complete cure before freezing temperatures.

JM IB Coating is not a vapor barrier coating and not recommended for use over most cold storage installations. Where a vapor barrier is required, contact JM Technical Service Personnel for proper selection and installation procedures.

Ignition Barrier Coating

JM Spray Foam

Visit our website at specJM.com

Or call: (800) 654-3103

TYPICAL PHYSICAL PROPERTIES

Properties	Test Method	Values
Solids by Weight	ASTM D2240	67% ±1
Solids by Volume	ASTM D1644	55% ±1
Coverage Minimum	ASTM D2697	0.6 gal/100 s.f. at 5 dry mils (9.6 mils wet)
Weight per Kilogram		11.0 lbs
Color		Ivory

Test values were generated from laboratory samples and actual properties may vary with equipment and application conditions.

JOHNS MANVILLE IGNITION BARRIER COATING GENERAL SAFETY, TOXICITY, HEALTH DATA

Material Safety Data Sheets are available on this coating material. Any individual who comes in contact with these products should read and understand the MSDS.

WARNING: Contact with skin or inhalation of vapors may cause an allergic reaction. Avoid eye contact with the liquid or spray mist. Hypersensitive persons should wear protective clothes and gloves and use protective cream on face, hands and other exposed areas.

CLEANUP: Water

EYE PROTECTION: Safety glasses, goggles or a face shield are recommended.

SKIN PROTECTION: Chemical-resistant gloves are recommended. Cover as much of the exposed skin as possible with appropriate clothing.

RESPIRATORY PROTECTION IS MANDATORY! Respiratory protective equipment, impervious footwear and protective clothing are required at all times during spray application.

INGESTION: Do not take internally.

Consider the application and environmental concentrations in deciding if additional protective measures are necessary.

WET PHYSICAL CHARACTERISTICS

Shelf Life: 12 months if properly stored
Cleanup: Water

TYPICAL DRY TIMES

Dry to Touch: 2 hours
Cure: 24 hours

DISCLAIMER

The data presented herein is not intended for use by nonprofessional applicators or those persons who do not purchase or utilize this product in the normal course of their business. The potential user must perform any pertinent tests in order to determine the product's performance and suitability in the intended application, since final determination of fitness of the product for any particular use is the responsibility of the buyer.

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Johns Manville Insulation Systems

717 17th Street (80202)
P.O. Box 5108
Denver, CO 80217-5108
1-800-654-3103
JM.com

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