JM No Mix Open Cell (NMOC)

SPRAY POLYURETHANE FOAM (SPF)

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

JM No Mix Open Cell (NMOC) Spray Polyurethane Foam (SPF) is a two-component, low-density insulation system. It is specifically designed for insulating the interiors of commercial, residential, and industrial buildings, and does not require mixing. With its consistent yield, superior thermal insulation, and excellent air sealing properties, along with exceptional adhesion, JM NMOC is an ideal choice for creating high-performing, energy-efficient buildings.

RECOMMENDED USES

- Walls
- Floors
- Ceilings
- Unvented Attics
- Vented Attics
- Crawl Spaces
- 1-Hour Fire-Resistance Wall Assembly*
- 2-Hour Fire-Resistance Wall Assembly*

** See UES Evalution Report 0971 for wall assembly details*

PERFORMANCE ADVANTAGES

- Improves Energy Efficiency
- Provides an Effective Air Barrier
- Exceptional Adhesion

INSTALLER ADVANTAGES

- 17,000 BFT/set**
- Excellent Adhesion

*** JM NMOC SPF insulation applied to a clean, dry, and structurally sound substrate at 75F.*
ACH - Air Changes per Hour (Mechanical Exhaust Ventilation)

PHYSICAL PROPERTIES*

Property	Test Method	Value
Density	ASTM D1622	0.5 lb/ft^3; 8.0 kg/m^3
VOC Re-entry	ASTM D8485	
Compressive Strength	ASTM D1621	1.01 LBF/in^2
Tensile Strength	ASTM D1623	3.1 psi
Open Cell Content	ASTM 6226	>96%
Water Vapor Permeance @ 3.5"	ASTM E96	7.54 US Perms; 26.72 Perms in.
Air Permeance at 75 Pa	ASTM E283	<0.02 L/sec per M^2 @ 3.5"
Appendix X	AC377	Pass: 10'' walls 16"; DC315 at 6 wet/4-dry mil
Appendix U		Pass: 15" walls 15" ceiling
Unvented Unoccupied Attics	Special Approval	>3.5" thickness
Flame Spread	ASTM E83	FS≤20; SDI≤200
Fungal Resistance	ASTM C1338	Pass; no growth present
Humid Aging 158°F/97% RH 168 Hours	ASTM D2126	<8.3%
Thermal Resistance	ASTM C518	R-3.9 @ 1"
		R-3.8 @≥3.5"

All testing performed by an accredited independent third-party test facility

APPROVALS

ASTM E119-22	Load Bearing Assembly (1 Hr)	Pass
	Load Bearing Assembly (2 Hr)	Pass
UES - ER	Control Number	971
NFPA 285	Base Wall Assembly	Pass
NFPA 286	Spray Applied Thermal Barrier	Pass***
Ozone Depletion Potential	ODP	Zero
Global Warming Potential	GWP	Zero

**** IFTI DC315 - 6" walls 14" celings; DC315 at 14 wet/ 9 dry mills*
**** No-Burn ThB 6" walls - 14" celings; DC315 at 16 wet mils, also qualifies as a Class 2 Vapor Retarder and protection for UV and weather for up to 6 months.*

COMPLIANCES

- IBC Section 2603, IRC Section R316, IECC Sections C303, C402, R303 and R402
- 2024, 2021, 2018, and 2015 International Building Code (IBC)
- 2024, 2021, 2018, and 2015 International Residential Code (IRC)
- 2024, 2021, 2018, and 2015 International Energy Consevation Code (IRECC)
- IRC Section 316.6, ignition barrier not required in unvented and unoccupied attics per UES Evaluation Report 0971

REOCCUPANCY

- All trades must vacate the building and the spray area must be cordoned off and remain separated from the occupied space for 1 hour after application when ventilated at 10 ACH.
- The application area should be properly ventilated during application and for 24 hours post application at 10 air changes per hour (ACH.)
- Residents must stay out of the building for 24 hours after application.

PACKAGING

- 55 Gallon Drum (950 lbs. per set)

HEALTH AND SAFETY

- For information on Health and Safety, refer to Johns Manville Safety Data Sheets and the Polyurethane Foam Alliance Health and Safety guidance documents at https.//spraypolyuretahne.org

LEARN MORE AT energystar.gov

Visit our website at **www.JM.com** or call **800-654-3103** | **Building Insulation Division** P.O. Box 5108 | Denver, CO 80217-5108

Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The physical and chemical properties of JM No Mix Open Cell spray polyurethane foam listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Any references to numerical flame spread or smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. Check with the sales office nearest you for current information. **All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions, which includes a Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions or for information on other Johns Manville insulation and systems, visit www.jm.com/terms-conditions or call 800-654-3103.**

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