



## Formaldehyde-free™ Fiber Glass Insulation

# JM Spider® Blow-In-Blanket® System

**Formaldehyde-free™ Blow-in Loose-fill  
Fiber Glass Insulation**

### JM FORMALDEHYDE-FREE™ FIBER GLASS INSULATION

JM Formaldehyde-free™ fiber glass building insulation offers the thermal and acoustical performance you expect from fiber glass—and it improves indoor air quality because it's made without formaldehyde. Why is that important? Because reducing overall formaldehyde levels in the home creates a healthier living environment, and choosing JM Formaldehyde-free™ insulation is one way of achieving that goal. JM offers the only complete line of certified Formaldehyde-free™ fiber glass building insulation. Visit [www.JM.com](http://www.JM.com) for more information.

### PRODUCT DESCRIPTION

The Blow-In-Blanket System (BIBS®) is a patented process for installing JM Spider loose-fill insulation. JM Spider fiber is blown in behind BIBS netting for complete coverage making it easier to install at R-15 and R-23 in 2x4 and 2x6 walls without bulging. BIBS provides a custom fit for thermally and acoustically superior insulation in walls, ceilings and floors. When installed to BIBS specifications, JM Spider solution does not settle, retaining its original R-value and energy efficiency for the life of a home.

### APPLICATIONS

JM Spider with BIBS is ideal for all wall cavities and the irregular and nonconforming areas around custom windows, arches and cathedral ceilings, and in floors.

### INSTALLATION

Only certified BIBS contractors can install BIBS. Contact your local JM sales representative for an authorized contractor.

**Note:** In colder climate areas, vapor retarders are often placed toward the heated or conditioned side of the wall. This is done to reduce water vapor penetration into the wall from the building interior. Conversely, in predominantly hot, humid climates, the vapor retarder is often placed toward the outside of the wall cavity. Check your local building code for vapor retarder requirements.

### RECOMMENDED STORAGE AND TRANSPORT

Store insulation indoors. Keep insulation clean and dry at all times. When transporting, cover completely with a waterproof tarpaulin as necessary.

### SPECIFICATION COMPLIANCE – JM SPIDER

JM Spider insulation meets ASTM C 764, "Standard Specification for Mineral Fiber Loose-Fill Thermal Insulation." JM Spider system meets all building code fire test requirements for concealed and exposed insulation (see following page for a complete list of test results).



### PERFORMANCE ADVANTAGES

- Improves indoor air quality – because it's made without formaldehyde.
- Thermal efficiency – provides superior resistance to heat transfer with R-values up to R-15 in a 2x4 cavity and R-23 in a 2x6 cavity.
- Sound control – reduces transmission of sound through exterior and interior walls.
- Fire resistant and noncombustible – does not contain added fire-retardant chemicals. See Specification Compliance.
- Noncorrosive – does not accelerate corrosion of pipes, wiring or metal studs.
- Durable – will not rot, mildew or otherwise deteriorate. JM Spider will not hold moisture and will not suffer permanent loss of R-value.
- Fast, clean applications – quickly insulates spaces of any size or shape without cutting or fitting, for minimal scrap.
- Complete coverage – highly customized walls and vaulted ceilings get a seamless fit, eliminating gaps in nooks and crannies. Ensures a snug fit around plumbing fixtures, ventilation and electrical systems.

# JM Spider® Blow-In-Blanket® System

Formaldehyde-free™ Blow-in Loose-fill Fiber Glass Insulation

Visit us at [www.JM.com](http://www.JM.com)

Or call: 1-800-654-3103

## TEST DATA

Test Method	Results
ASTM E 84 and CAN/ULC S102.2 <i>Surface Burning</i>	Flame spread less than 25, smoke developed less than 50
ASTM E 136 <i>Combustion Characteristics</i>	Pass, indicating non-combustible material
ASTM E 970 <i>Critical Radiant Flux</i>	Greater than 0.12 W/sq cm, passing for exposed attic installation
ASTM C 1338 <i>Fungi Resistance of Insulation Materials</i>	Pass, with no growth
ASTM G 21 <i>Fungi Resistance of Synthetic Polymeric Materials</i>	Pass, with no growth

Test Method	Results
ASTM C 764 <i>Corrosiveness</i>	No greater than sterile cotton for steel, copper, aluminum
ASTM C 518 <i>Thermal Performance – Heat Flow Meter</i>	See coverage chart for standard R-values
ASTM C 1104/C 1104M <i>Water Vapor Sorption</i>	5% or less by weight
ASTM C 1304 <i>Odor Emission</i>	No objectionable odor
SM-2010 <i>VOC Emissions</i>	Pass, with no hazardous emissions

## JM SPIDER PREMIUM FIBER GLASS BLOWING WOOL INSULATION NOMINAL 30-LB. BAG COVERAGE CHART FOR CLOSED-CAVITY APPLICATION

Application	Thermal Resistance R-value	Nominal Cavity Depth/Insulation Thickness inches	Actual Cavity Depth/Insulation Thickness inches	Installed Density lbs/ft <sup>3</sup>	Minimum Weight per Area lbs/ft <sup>2</sup>	Number of Bags per 1,000 Sq. Ft. Bags	Maximum Coverage per Bag ft <sup>2</sup> /bag
<b>Walls</b>							
	15	2x4	3.5	1.8	0.525	18	57
	23	2x6	5.5	1.8	0.825	28	36
<b>Floors</b>							
	30	2x8	7.25	1.8	1.0875	36	28
	39	2x10	9.25	1.8	1.3875	46	22
	47	2x12	11.25	1.8	1.6875	56	18
<b>Cathedral Ceilings</b>							
	30	2x8	7.25	1.8	1.0875	36	28
	39	2x10	9.25	1.8	1.3875	46	22
	47	2x12	11.25	1.8	1.6875	56	18

The coverage per bag shown in the above chart is for the unframed area (cavities only) and does not account for the space taken up by wall studs, plates, headers, corners, window framing, etc. Depending on the construction details in a given structure, gross coverage for the overall wood-framed wall area may vary.

Technical specifications as shown in this literature are intended to be used as general guidelines only. The physical and chemical properties of JM Spider® Blow-In-Blanket® System Formaldehyde-free™ blow-in loose-fill fiber glass insulation 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 Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville Limited Warranty and Limitation of Remedy or for information on other Johns Manville thermal and acoustical insulation and systems, call or write to the 800 number or address listed below.



Distributed by:

### Johns Manville Insulation Systems

717 17th Street (80202)  
P.O. Box 5108  
Denver, CO 80217-5108  
1-800-654-3103  
[www.JM.com](http://www.JM.com)