



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

**ATTIC  
PROTECTOR®**

## PRODUCT DATA SHEET

### COMPANY

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 home insulation. Visit [www.JM.com](http://www.JM.com) for more information.

### DESCRIPTION

Johns Manville Attic Protector® is premium blow-in fiber glass insulation that can be used to cover attics and hard-to-reach areas within attics, like corners, edges and around framing. When it’s applied in an air-sealed attic to the recommended thickness and specifications, you can be assured that your attic is energy efficient, with minimal heat loss. Attic Protector won’t appreciably settle, decay or provide food for animals or microbes. It’s effective for the life of your home.

### USE

Attics – can be installed up to R-70 over ½" ceiling drywall without exceeding ceiling weight limits.

### INSTALLATION

Attic Protector fiber glass makes it easy to insulate an attic of any size or shape without any cutting or fitting. It’s installed with a blowing machine and flexible hose, making it easy to insulate hard-to-reach areas in an attic. Large areas and small gaps can be filled quickly and completely.

### PACKAGING

Attic Protector insulation is compression-packaged for savings in storage and freight costs.

### DESIGN CONSIDERATIONS

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

Refer to the JM guide specifications for further design considerations and required installation instructions.

### LIMITATIONS OF USE

Check applicable building codes.



### PERFORMANCE ADVANTAGES

**Formaldehyde-Free:** will not off-gas formaldehyde in the indoor environment.

**Thermal Efficiency:** provides effective resistance to heat transfer.

**Sound Control:** reduces transmission of sound through ceiling assemblies.

**Fire Resistant and Noncombustible:** see Specification Compliance.

**Resilient Inorganic Glass:** will not rot, mildew or deteriorate and is noncorrosive to pipes, wiring and metal studs.

**Complete Coverage:** effective in tight spaces, areas with large amounts of cross-bridging and areas with small gaps and voids.

### ENERGY AND ENVIRONMENT





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## ATTIC PROTECTOR®

### APPLICABLE STANDARDS & BUILDING CODE CLASSIFICATION\*\*

#### ATTIC PROTECTOR

ASTM C764, Type I, Standard specification for mineral fiber loose-fill thermal insulation

ASTM E84 Flame Spread 25 or less, Smoke Developed 50 or less

ASTM E136 Noncombustible

ASTM C764 Noncorrosive

IBC, ALL TYPES

\*\* JM insulations comply with IBC (International Building Code), model code requirements for building construction types listed above.

### ATTIC PROTECTOR CHART†

R-VALUE	MINIMUM INSTALLED THICKNESS	SETTLED THICKNESS	BAGS PER 1,000 Sq. Ft.	MAXIMUM NET COVERAGE‡ in Sq. Ft.	MINIMUM WT. in Lbs. per Sq. Ft.
To obtain an insulation resistance (R) of:	Installed insulation should not be less than:	Expected thickness after long-term settling:	The number of bags per 1,000 sq. ft. should not be less than:	Contents of this bag should not cover more than:	The weight per sq. ft. of installed insulation should not be less than:
R-11	5.2"	5.1"	5.4	186	0.135
R-13	6.1"	6.0"	6.4	155	0.161
R-19	8.7"	8.5"	9.7	103	0.242
R-22	9.9"	9.8"	11.4	88	0.285
R-26	11.5"	11.4"	13.7	73	0.343
R-30	13.1"	13.0"	16.1	62	0.402
R-38	16.2"	16.1"	21.1	47	0.527
R-44	18.5"	18.3"	25.0	40	0.625
R-49	20.3"	20.2"	28.4	35	0.710
R-60	24.3"	24.1"	36.2	28	0.904

† Coverage without framing.

‡ The manufacturer recommends that the insulation be installed at these minimum thicknesses and maximum coverages to provide the levels of insulation thermal resistance (R-value) shown (based on 25 lb. average net weight per bag).

### PHYSICAL PROPERTIES§

PRODUCTION	FLAME SPREAD	SMOKE DEVELOPED
Unfaced	< 25	< 50

§ Products are tested in accordance: R-value ASTM C518 | Surface Burning Characteristics ASTM E84

\*GREENGUARD certification is not intended for residential environments. Instead, the certification is intended only for buildings meeting ASHRAE 62.1-2007 commercial building ventilation rates. This certification is proof that the product meets the GREENGUARD Environmental Institute's indoor air quality standards and product emission standards for VOCs.



Visit our website at [www.JM.com](http://www.JM.com) or call **1-800-654-3103** | **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. The physical and chemical properties of thermal and acoustical 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, visit the website or call the 800 number above. 717 17th Street Denver CO, 80202

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