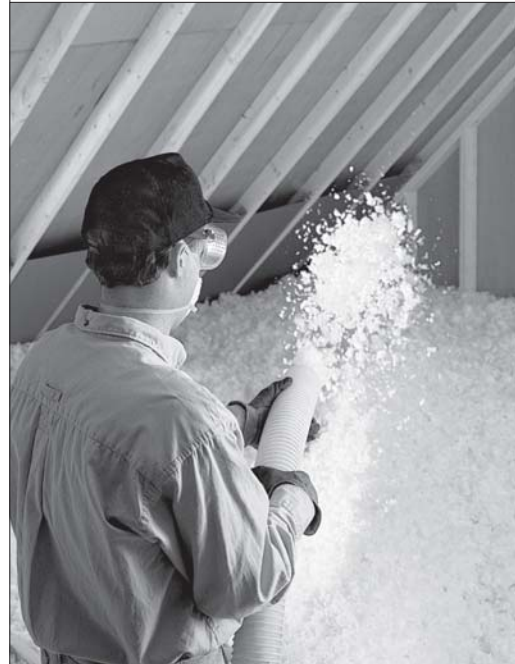




Formaldehyde-free™ Fiber Glass Insulation

Climate Pro®

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



JM FORMALDEHYDE-FREE™ FIBER GLASS INSULATION

JM Formaldehyde-free™ fiber glass building insulation offers superior thermal and acoustical performance—and it improves indoor air quality, because it's made without formaldehyde. Why is that important? Because the U.S. Environmental Protection Agency (EPA) recommends limiting exposure to formaldehyde as much as possible, and the California Air Resources Board, a division of the California EPA, recommends that homeowners, builders and architects use building materials and insulation made without formaldehyde when building a home or remodeling. JM is the only company in the industry with a complete line of Formaldehyde-free™ fiber glass building insulation. Visit JM.com/formfree for more information.

PRODUCT DESCRIPTION

Johns Manville Formaldehyde-free™ Climate Pro blow-in loose-fill fiber glass insulation is a premium alternative to cellulose. It's blown into attics, nonconforming spaces and hard-to-reach areas, like corners, edges and around framing. When it's applied to the recommended thickness and specifications, you can be assured that your home is energy-efficient, with minimal heat loss. And unlike cellulose, it won't appreciably settle, decay, or provide food for animals or microbes. It's effective for the life of your home.

APPLICATIONS

- **Attics** – Can be installed up to R-70 over ½" ceiling drywall without exceeding ceiling weight limits.
- **Nonconforming spaces** – Insulation sprays out of the hose several feet, filling in large areas and small gaps quickly and completely.
- **Wall cavities** – Can be installed in walls using the Blow-In-Blanket System (BIBS®).

INSTALLATION

Equipment for JM Climate Pro installation is engineered for professional use. Contact your local JM sales representative for an authorized contractor.

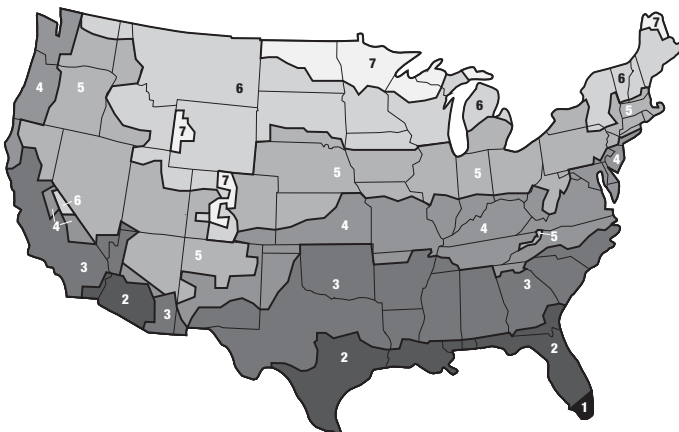
RECOMMENDED STORAGE AND TRANSPORT

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

SPECIFICATION COMPLIANCE

ASTM C 764, Type I
CAN/ULC-S102.2 and ASTM E 84 Flame Spread 25 or less, Smoke Developed 50 or less

RECOMMENDED R-VALUES



These insulation levels are recommended for typical residential construction to comply with the latest version of the International Energy Conservation Code (IECC), the International Residential Code (IRC) and most local codes. Consult local building officials for requirements in your area.

2006 IECC	
Climate Zone	Ceiling R-value (minimum)
1, 2, 3	30
4, 5	38
6, 7	49

PERFORMANCE ADVANTAGES:

- Improves indoor air quality – because it's made without formaldehyde.
- Thermally efficient – provides effective resistance to heat transfer. Unlike cellulose products, Climate Pro settles only 1 to 3 percent, so it won't lose R-value after installation.
- Controls sound – reduces transmission of sound through exterior and interior walls and floor/ceiling assemblies for superior sound control.
- Fire-resistant and noncombustible – (see Specification Compliance).
- Noncorrosive – does not accelerate corrosion of pipes, wiring or metal studs.
- Durable – will not rot, mildew or otherwise deteriorate. Unlike cellulose, Climate Pro will not hold moisture and will not permanently lose R-value.
- Easy to install – quickly insulates attics or spaces of any size or shape without cutting or fitting.
- Covers completely – effective in tight spaces, areas with large amounts of cross-bridging or areas with small gaps and voids.

Climate Pro[®]

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

Visit us at JM.com
Or call: 1-800-654-3103

BUILDING CODE COMPLIANCE AND FIRE HAZARD CLASSIFICATION

	ICBO	SBCCI	BOCA	IBC/IRC	Flame Spread*	Smoke Developed*
Climate Pro	All Types	All Types	All Types	All Types/All Types	25	50

*Meets FHC 25/50 specification per ASTM E 84 and CAN/ULC-S102.2

ATTIC COVERAGE CHART

Thermal Resistance To obtain insulation resistance of:	Minimum Installed Thickness Installed insulation shall not be less than:	Settled Thickness Expected thickness after long-term settling has occurred:	Bags per 1000 sq. ft. Number of bags per 1000 sq. ft. of net area should not be less than:	Maximum Coverage Contents of the bag shall not cover more than:	Minimum Weight Weight per sq. ft. should not be less than:
R-value	inches	inches	bags	ft ² /bag	lb/ft ²
60	22.8	22.7	38.2	26	0.974
49	19.1	19.0	30.4	33	0.774
44	17.4	17.3	26.9	37	0.686
38	15.3	15.1	22.9	44	0.583
30	12.4	12.2	17.6	57	0.450
26	10.9	10.7	15.1	66	0.385
22	9.3	9.2	12.6	79	0.322
19	8.1	8.0	10.8	93	0.276
13	5.7	5.6	7.2	138	0.185
11	4.9	4.8	6.1	164	0.155

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 25.5-lb. average net weight per bag).



Properly insulating a structure using Johns Manville building insulation helps preserve our environment by reducing energy consumption for heating and cooling, reducing the pollution resulting from fuel burning, reducing the emission of hazardous air pollutants during manufacturing and reducing waste through the utilization of recycled materials. Look for the cross and globe emblem on Johns Manville building insulation which indicates independent certification by Scientific Certification Systems, Inc. of 25% or more recycled glass content.

Technical specifications as shown in this literature are intended to be used as general guidelines only. The physical and chemical properties of Johns Manville Formaldehyde-free™ Climate Pro 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 the 800 number or write to the address, both listed below.



Distributed by:

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