



## Formaldehyde-free™ 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 [specJM.com](http://specJM.com) or [JMhomeowner.com](http://JMhomeowner.com) for more information.

### PRODUCT DESCRIPTION

Johns Manville Climate Pro blow-in loose-fill fiber glass insulation is a premium alternative to cellulose. It's blown in to 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 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 (RSI-12.3) over ½" ceiling drywall without exceeding ceiling weight limits.
- Nonconforming spaces – Insulation projects out of the hose several feet, filling in large areas and small gaps quickly and completely.

### INSTALLATION

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

### PACKAGING

Packaged in convenient 14.3 kg (31.5 pound) plastic bags.

### 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

CAN/ULC-S702-97, Type 5  
 CAN/ULC-S102.2: Flame Spread 25 or less, Smoke Developed 50 or less  
 CAN4-S114-M80, Non-combustible  
 ULC-S129-95, Smoulder Resistance-Pass  
 NBC 1995 Article 9.25.2.2, CSA A101-M  
 See CCMC Evaluation Report 12642-L

### RECOMMENDED R-VALUES



The insulation levels are recommended for comfort and energy savings, and to generally comply with the National Energy Code and provincial codes. Other insulation combinations may be required for some building designs. Consult local or provincial building code officials for requirements in your area.

Zone	Attic/Ceiling	
	RSI	R-value
1	7.0	40
2	8.8	50
3	10.5	60

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



### PERFORMANCE ADVANTAGES

- Improves indoor air quality – because it's made without formaldehyde
- Thermal efficiency – provides effective resistance to heat transfer. Unlike cellulose products, JM Climate Pro insulation does not settle, for no loss of R-value (RSI) after installation.
- Sound control – reduces transmission of sound through attics and floor/ceiling assemblies.
- Fire resistant and noncombustible – see Specification Compliance.
- Noncorrosive – does not accelerate corrosion of pipes, wiring or metal studs.
- Durable – it will not rot, mildew or otherwise deteriorate. Unlike cellulose, Climate Pro insulation will not hold moisture and will not suffer permanent loss of R-value (RSI).
- Fast, clean applications – quickly insulates attics or spaces of any size or shape without cutting or fitting, for minimal scrap and low dust levels.
- Complete coverage – effective in tight spaces, areas with large amounts of cross-bridging and areas with small nooks and crannies.
- Recycled content – made with at least 50 percent post-consumer recycled bottle glass.

## ATTIC COVERAGE CHART

Thermal Resistance To obtain insulation resistance of:		Bags per Unit Area Number of bags per 100 m <sup>2</sup> /1000 ft <sup>2</sup> net area should not be less than:		Minimum Thickness Installed insulation shall 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:	
RSI-value	R-value	100 m <sup>2</sup>	1000 ft <sup>2</sup>	mm	inches	m <sup>2</sup>	ft <sup>2</sup>	kg/m <sup>2</sup>	lb/ft <sup>2</sup>
2.1	12	6.6	6.1	114	4½	15.1	162.9	0.95	0.19
2.8	16	8.8	8.2	151	6	11.3	122.2	1.26	0.26
3.5	20	11.0	10.2	189	7½	9.1	97.8	1.58	0.32
4.2	24	13.2	12.3	227	8¾	7.6	81.5	1.89	0.39
4.9	28	15.4	14.3	265	10¾	6.5	69.8	2.21	0.45
5.6	32	17.6	16.4	303	11¾	5.7	61.1	2.52	0.52
6.3	36	19.8	18.4	341	13¾	5.0	54.3	2.84	0.58
7.0	40	22.0	20.5	378	14¾	4.5	48.9	3.15	0.64
7.7	44	24.2	22.5	416	16¾	4.1	44.4	3.47	0.71
8.4	48	26.4	24.5	454	17¾	3.8	40.7	3.78	0.77
8.8	50	27.6	25.6	473	18¾	3.6	39.1	3.94	0.81
9.1	52	28.7	26.6	492	19¾	3.5	37.6	4.10	0.84
9.8	56	30.9	28.6	530	20¾	3.2	34.9	4.41	0.90
10.5	60	33.1	30.7	568	22¾	3.0	32.6	4.73	0.97

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 14.3 kg/31.5 lb. average net weight per bag).

CAUTION: Maintain building, electrical, gas and oil safety code required clearances between the insulation and heat-emitting devices, such as fuel-burning appliances, chimneys, pipes, ducts and vents to these appliances (at least 50 mm [2 in.]) and recessed light fixtures (at least 75 mm [3 in.]).



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 or write to the 800 number or address listed below.

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.



**Johns Manville Canada Inc.**  
**Building Insulation Division**

4704 58th Street  
Innisfail, AB T4G 1A2  
1-800-661-9553  
[specJM.com](http://specJM.com)

Distributed by: