

## 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

Johns Manville Formaldehyde-free<sup>™</sup> Climate Pro blow-in loose-fill fiberglass 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, it improves energy efficiency. And unlike cellulose, it won't settle, decay or provide food for animals or microbes. It's effective for the life of the home.

# USE

• Attics – can be installed up to a R-70 over  $\frac{1}{2}$ " (13 mm) ceiling drywall without exceeding ceiling weight limits.

• **Nonconforming spaces** – insulation sprays out of the hose several feed, filling in large areas and small gaps quickly and completely.

• Wall cavities - can be installed in walls using the netted blow-in applications.

## INSTALLATION

Equipment for JM Climate Pro insulation 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 - CLIMATE PRO INSULATION**

ASTM C764, Type I
Surface Burning Characteristics (ASTM E84 and CAN/ULC S102.2)
<ul> <li>Flame Spread 5 or less</li> </ul>
Smoke Developed 5 or less:
Critical Radiant Flux (ASTM E970): Greater than 0.12 W/cm2 (0.11 Btu/ft2•s)
Combustible Characteristics (ASTM E136): Pass
Water Vapor Sorption (ASTM C1104): 5% or less by weight
Odor Emission (ASTM C1304): Pass
Corrosiveness (ASTM C764): Pass
Fungi Resistance (ASTM C1338): Pass
VOC Emissions (ES Section 01350): Pass

# **BUILDING CODE COMPLIANCE AND FIRE HAZARD CLASSIFICATION**

	IBC/IRC	Flame Spread*	Smoke Developed*			
Climate Pro Insulation	All Types/ All Types	5	5			
*Meate EHC 25/50 specification per ASTM E84 and CAN/III C-S102 2						

\*Meets FHC 25/50 specification per ASTM E84 and CAN/ULC-S102.2.



## **PERFORMANCE ADVANTAGES**

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

**Thermally Efficient:** provides effective resistance to heat transfer. Unlike cellulose products, JM Climate Pro insulation does not settle, for no loss of R-value after installation.

**Sound Control:** reduces transmission of sound through exterior and interior walls, and floor and ceiling assemblies for superior sound control.

### **Fire Resistant and Noncombustible:** See Specification Compliance.

**Noncorrosive:** does not accelerate corrosion of pipes, wiring or metal studs.

**Resilient Inorganic Glass Fibers:** cannot rot, mildew, or otherwise deteriorate.

**Easy to Install:** quickly insulates attics or spaces of any size or shape without cutting or fitting.

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

# **ENERGY AND ENVIRONMENT**



\*GREENGUARD certification is not intended for residential environments. Instead, the certification is intended only for buildings meeting ASHRAE 62.1-2010 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.



# **CLIMATE PRO ATTIC COVERAGE CHART**

R-VALUE (hr•sq.ft.•°F/BTU)	MINIMUM INSTALLED THICKNESS (in.)	SETTLED THICKNESS (in.)	BAGS PER 1,000 SQ. FT.	MAXIMUM NET COVERAGE* (sq.ft./bag)	MINIMUM WEIGHT (lbs./sq.ft.)
To obtain an insulation resistance (R) of	Installed insulation should not be less than:	Expected thickness after long-term settling has occured	Minimum number of bags per 1,000 sq.ft. of net area:	Contents of this bag should not cover more than:	The weight per sq. ft. of installed insulation should not be less than:
11	4.2	4.2	4.8	208	0.14
13	4.9	4.9	5.7	176	0.17
19	7.0	7.0	8.4	119	0.25
22	8.1	8.1	9.8	102	0.30
26	9.4	9.4	11.7	85	0.35
30	10.8	10.8	13.7	73	0.41
38	13.4	13.4	17.7	57	0.53
44	15.3	15.3	20.8	48	0.62
49	16.9	16.9	23.4	43	0.70
60	20.2	20.2	29.2	34	0.88

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.

### **CLIMATE PRO CAVITY WALL (SIDEWALL) COVERAGE CHART**

THERMAL RESISTANCE To obtain insulation resistance of:	MINIMUM THICKNESS Installed insulaiton shall not be less than:	DENSITY OF INSULATION Installed insulaiton shall not be less than:	MAXIMUM COVERAGE Contents of the bag shall not cover more than:	MINIMUM WEIGHT Weight should not be less than:
R-VALUE	INCHES	lb/ft <sup>3</sup>	ft²	lb/ft²
15	3.5	1.5	69	0.44
24	5.5	1.5	44	0.69
31	7.25	1.5	33	0.91
40	9.25	1.5	26	1.16
16	3.5	2.0	51	0.58
25	5.5	2.0	33	0.92
32	7.25	2.0	25	1.21
41	9.25	2.0	19	1.54

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.



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 thermal and acoustical fiberglass 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 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.