

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™ 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 ½" (13 mm) 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 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) |
| • Flame Spread 5 or less |
| • 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 |

*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 occurred | 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 ³ | ft ² | lb/ft ² |
| 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.