

HOMEOWNER _____ DATE _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

RECORD OF INSTALLATION

BLOWING WOOL				BATTS AND ROLLS			
<input type="checkbox"/> New Construction	If Retrofit:			Ceilings	R-VALUE	THICKNESS	AREA INSULATED
<input type="checkbox"/> Retrofit	Depth of Previous Insulation _____ in.					in.	sq. ft.
Number of bags used _____	Estimated R-value of Previous Installation _____					in.	sq. ft.
Area Insulated _____ sq. ft.	Types of Previous Insulation in Attic _____			Walls		in.	sq. ft.
Thickness of Insulation _____ in.						in.	sq. ft.
R-value of Insulation _____				Floors		in.	sq. ft.
						in.	sq. ft.

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	4.25	4.25	4.6	215.9	0.15
13	5.00	5.00	5.5	181.3	0.17
19	7.00	7.00	8.0	125.4	0.25
22	8.00	8.00	9.3	108.0	0.29
26	9.50	9.50	11.2	88.9	0.35
30	10.75	10.75	13.0	77.1	0.41
38	13.50	13.50	17.0	59.0	0.53
44	15.25	15.25	19.6	50.9	0.62
49	17.00	17.00	22.4	44.6	0.71
60	20.25	20.25	27.9	35.8	0.88

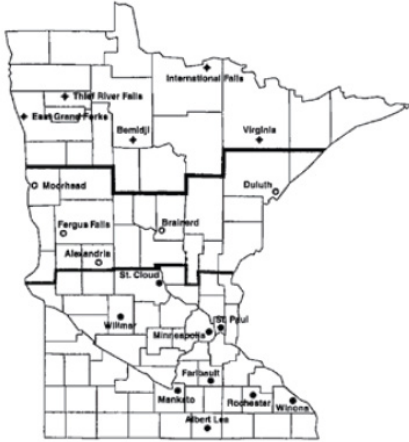
The manufacturer recommends that the insulation be installed at these minimum thicknesses and maximum coverages to provide the levels of insulation thermal resistance (R-value) shown. See reverse to determine adjustment in coverage for Climate Pro Insulation installed in Minnesota.

INSULATION CONTRACTOR SIGNATURE _____ DATE _____

COMPANY _____ ADDRESS _____ PHONE _____

HOME BUILDER SIGNATURE _____ DATE _____

COMPANY _____ ADDRESS _____ PHONE _____

JM CLIMATE PRO® FIBERGLASS BLOWING WOOL FOR MINNESOTA ONLY

WINTER DESIGN TEMPERATURES

CITY	TEMPERATURE (F)	CITY	TEMPERATURE (F)
Winona	-14°	Brainerd	-20°
Willmar	-15°	Duluth	-21°
St. Cloud	-15°	Fergus Falls	-21°
Minneapolis	-16°	Alexandria	-22°
Mankato	-17°	Virginia	-25°
Rochester	-17°	International Falls	-29°
Albert Lea	-17°	Bemidji	-31°
Faribault	-17°		

To allow consumers to make fair comparisons and informed decisions, the Federal Trade Commission requires that all home insulation products be tested and labeled in a uniform manner. FTC Trade Regulation Rule Part 460 specifies that all products be rated at 75°F mean temperature.

Although the in-place performance of insulation materials may vary due to installation quality, temperature difference, framing or other factors, fibrous insulation performance generally improves as attics get colder. However, at extreme cold temperatures, the performance (R-value) of fiberglass insulation products may start to decline below the labeled value. This is due to the phenomenon of convection in the attic causing slight air movement through porous cavities within insulation materials. The extreme temperatures at which this effect occurs varies with product type and manufacturer. For instance, fiberglass batt insulation does not exhibit a loss of R-value at temperatures normally seen anywhere in the United States.

Blown loose-fill insulation products are more susceptible to convection than batts because the random orientation of the fibers provides less resistance to air flow. Despite this, only a few areas within the United States reach sustained temperatures cold enough to cause concern. All loose-fill products perform differently. Johns Manville has extensively tested our attic insulation products at extreme cold temperatures.

Minnesota law requires an insulation product to be designed to provide its stated R-value at winter design temperatures. The chart below shows the additional amount of Climate Pro insulation needed to attain a desired R-value at various winter design temperatures.

ADDITIONAL CLIMATE PRO NEEDED TO ATTAIN R-VALUE IN EXTREMELY COLD TEMPERATURES

WINTER DESIGN TEMPERATURE	R-38		R-44	
	EXTRA DEPTH INCHES	EXTRA BAGS PER 1,000 SQ. FT.	EXTRA DEPTH INCHES	EXTRA BAGS PER 1,000 SQ. FT.
-14 to -17°F	1	1.5	1/4	0.4
-18 to 22°F	1 1/2	2.2	3/4	1.2
-23°F and colder	2 1/2	3.8	2	3.2

WINTER DESIGN TEMPERATURE	R-50		R-60	
	EXTRA DEPTH INCHES	EXTRA BAGS PER 1,000 SQ. FT.	EXTRA DEPTH INCHES	EXTRA BAGS PER 1,000 SQ. FT.
-14 to -17°F	0	0	0	0
-18 to 22°F	0	0	0	0
-23°F and colder	1	1.6	0	0

WHAT YOU SHOULD KNOW ABOUT R-VALUES

The chart shows the R-values of this insulation. R means resistance to heat flow. The higher the R-value, the greater the insulating power. Compare insulation R-values before you buy.

To get the marked R-value, it is essential that this insulation be installed properly with pneumatic equipment.

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. 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 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