Jet Stream® Ultra Blowing Wool Insulation

Attic and Cavity Wall Card

KNAUF INSULATION

THERMAL PERFORMANCE (SIDEWALL AND ATTIC APPLICATION)

The stated thermal resistance (R-value) is provided by installing in accordance with the manufacturer's instructions. Failure to install the required number of bags per 1,000 square feet and exceeding the maximum square feet of coverage per bag as recommended by the label will result in lower installed R-values. Field blending of this product with other loose fill insulations is not recommended by the manufacturer.

EQUIPMENT REQUIRED

It is recommended that a pneumatic blowing machine and a corrugated hose with a minimum ¼" internal corrugation, a minimum length of 150'. Coils in the hose should not be less than 36" in diameter. Acceptable material feed rate is 5-35 lbs/minute. Recommended feed rate is 15–25 lbs/minute.

CERTIFICATIONS

- UL Environment
  - GREENGUARD
  - GREENGUARD Gold
  - Formaldyhyde Free
- Energy Star

Cavity Wall Bag Net Weight | Nominal 32 lbs., Minimum 31 lbs.

Framing	Cavity Depth	R-Value*	Density	Bags per 1000 ft²	Maximum Coverage per Bag	Net Minimum Weight per ft²
		To obtain an insulation resistance of:		The number of bags per 1,000 ft² of net area should not be less than:	Contents of this bag should not cover more than:	The weight per ft² of installed insulation should not be less than:
2"x 4"	3.50"	R-15	1.8 PCF	16.4 bags	61.0 ft²	0.525 lbs.
2"x 6"	5.50"	R-23	1.8 PCF	25.8 bags	38.8 ft²	0.825 lbs.
2"x 8"	7.25"	R-31	1.8 PCF	34.0 bags	29.4 ft²	1.088 lbs.
2"x 10"	9.25"	R-39	1.8 PCF	43.4 bags	23.1 ft²	1.388 lbs.

*R means resistance to heat flow. The higher the R-value, the greater the insulating power. To get the marked R-value, it is essential that this insulation be installed properly.

Open Attic Application Bag Net Weight | Nominal 32 lbs., Minimum 31 lbs.

R-Value*	Bags/ 1,000 ft²	Maximum Coverage	Minimum Weight	Initial Installed Thickness	Minimum Settled Thickness**
To obtain an insulation resistance (R-Value) of:	The number of bags/ 1,000 ft² of net area should not be less than:	Contents of this bag should not cover more than:	The weight/ft² of installed insulation should not be less than	Installed insulation should not be less than:	Contents of this bag should not cover more than:
R-60	29.7	33.6 SF	0.952 lbs.	19.750"	19.750"
R-49	23.5	42.5 SF	0.753 lbs.	16.375"	16.375"
R-44	20.9	47.8 SF	0.670 lbs.	14.875"	14.875"
R-38	17.8	56.2 SF	0.569 lbs.	13.000"	13.000"
R-30	13.6	73.3 SF	0.437 lbs.	10.375"	10.375"
R-26	11.8	85.0 SF	0.377 lbs.	9.125"	9.125"
R-22	9.8	102.2 SF	0.313 lbs.	7.750"	7.750"
R-19	8.4	119.3 SF	0.268 lbs.	6.750"	6.750"
R-13	5.7	175.3 SF	0.183 lbs.	4.750"	4.750"
R-11	4.7	210.8 SF	0.152 lbs.	4.000"	4.000"

Bag Net Weight—Nominal 32 lbs., Minimum 31 lbs.

Coverage and installation data were determined using a Volu-Matic® II blowing machine in third gear with 13" gate opening, 2.0 psi air pressure and 150' of 3" internally-corrugated hose.

This product conforms to the performance requirements of ASTM C764, Type I, and cancelled Federal Specification HH-I-1030B, Type I, Class B. R-values are determined in accordance with C687 and C518.

*"R" means resistance to heat flow. The higher the R-value, the greater the insulating power. To get the marked R-value, it is essential that this insulation be installed properly. If you do it yourself, get instructions and follow them carefully. Instructions do not come with this package.

**Based on Third Party 2-year settling study, the predicted settlement over a 20-year period would be 1 percent or less. This amount of settling is thermally insignificant. Therefore, the installed and settled thicknesses are effectively the same.

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BUILDER'S INSULATION STATEMENT

Jet Stream Ultra has been installed in conformance with the included recommendations to provide a thermal resistance of:

	R-Value	Thickness	
Attic Area	R-	at	Inches
Sloped Ceilings	R-	at	Inches
Walls	R-	at	Inches
Floors (over an unheated crawl space)	R-	at	Inches
Crawl Space Perimeter	R-	at	Inches
Date Installed			
Address			
Blown insulation has been installed in conformance with the above recommendations to provide an R-value of : R-_____ using _____ bags of this insulation to cover _____ square feet of area at a minimum thickness of _____ inches.			
Insulation Contractor (signature)			
Company		Date	
Home Builder (signature)			
Company		Date	

BATTS AND BLANKETS

When installed in accordance with the manufacturer's recommendations, Knauf Insulation batts and blankets will provide the full R-value.

R-Value*	Minimum Thickness
To obtain an insulation resistance (R-Value) of:	Installed insulation should not be less than:
R-49	13.75"
R-38 HD	10.25"
R-38	12.00"
R-30 HD	8.25"
R-30	10.00"
R-26	9.00"
R-22	6.50"
R-21 HD	5.50"
R-19	6.25"**
R-15 HD	3.50"
R-13	3.50"
R-11	3.50"
R-8	2.50"

**R-18 in a 5.5" cavity. Conforms to ASTM C665 and Federal Specification HH-I-521F.

FRAMING ADJUSTMENT

To compensate for framing members, the number of bags per 1,000 ft² of area to be insulated should be as shown below.

R-Value	Joist Dimensions	Bags/MSF 16" O.C. Framing	Bags/MSF 24" O.C. Framing
R-60	2x4	29.2	29.4
	2x6	28.9	29.1
	2x8	28.6	28.9
R-49	2x4	23.0	23.2
	2x6	22.7	22.9
	2x8	22.4	22.7
R-44	2x4	20.4	20.6
	2x6	20.1	20.3
	2x8	19.8	20.1
R-38	2x4	17.3	17.4
	2x6	17.0	17.2
	2x8	16.7	17.0
R-30	2x4	13.2	13.3
	2x6	12.9	13.1
	2x8	12.6	12.9
R-26	2x4	11.3	11.4
	2x6	11.0	11.2
	2x8	10.8	11.0
R-22	2x4	9.3	9.5
	2x6	9.1	9.3
	2x8	8.8	9.1
R-19	2x4	7.9	8.1
	2x6	7.7	7.9
	2x8	7.4	7.7
R-13	2x4	5.3	5.4
	2x6	5.0	5.2
	2x8	4.8	5.0
R-11	2x4	4.3	4.4
	2x6	4.1	4.3
	2x8	3.8	4.1