



JET STREAM[®] **MAX**

Fiber Glass Blowing Insulation

- **MAX**-imum performance in attics and sidewalls.
- Never settles. Consistent, reliable performance.
- Convenient. One product, one inventory, two applications.
- Sustainable. Minimum 55% post-consumer recycled glass content. Each bag contains the equivalent of over 42 recycled bottles!
- Fast, easy installation.

Jet Stream[®] MAX Fiber Glass Blowing Insulation

Description

Knauf Insulation Jet Stream[®] MAX Fiber Glass Blowing Insulation is an unbonded, virgin fibrous glass blowing insulation designed with optimal thermal properties in addition to excellent coverage and blowing characteristics.

Application

Knauf Insulation Jet Stream MAX Fiber Glass Blowing Insulation is installed in open attics of both new and existing structures and/or in closed cavity applications with the BIBS[®] system (Blow-in-Blanket System) in which ventilation is not required. Jet Stream MAX, when used in closed cavity applications is BIBS approved and can only be installed by BIBS certified installers to ensure the highest quality installed performance. Loose fill blowing insulation is intended for use where pneumatically installed insulation is most cost-effective.

Features and Benefits

Excellent Thermal Performance

- Fills all gaps and voids, creating a thermal barrier against outside air and better temperature control.
- Resists heat flow with an R-value of:
 - R-15 in 2 x 4 construction
 - R-23 in 2 x 6 construction

Convenient

- One product, one inventory, two applications.

Energy Conservation

- Reduces fuel usage and utility bills for heating and air conditioning.

Indoor Air Quality

- Certified for indoor air quality as a low emitting product by The GREENGUARD Environmental Institute to both the GREENGUARD Indoor Air Quality Certification ProgramSM and the more stringent GREENGUARD Children & Schools standard and is verified to be formaldehyde free.

Sustainable

- Each bag contains the equivalent of over 42 recycled bottles, with a minimum of 55% post-consumer recycled glass content.
- Carbon negative: meaning Knauf Insulation products used for thermal insulating purposes recover the energy that it took to make them in just hours or a few days, depending on the application. Once

installed, the product continues to save energy and reduce carbon generation as long as it is in place.

Noise Reduction

- Improves Sound Transmission Class (STC) ratings by 4 to 10 points.

Permanence

- Non-combustible, non-corrosive.
- Will not rot, mildew or deteriorate.

Installation

- Blows fast and smooth.

Thermal Performance

Jet Stream MAX Blowing Insulation provides you with a choice of R-values based on the installed thickness and installed weight per square foot. The tables to the right show the minimum requirements for obtaining the desired R-value.

The stated thermal resistance (R-value) is provided by installing the required number of bags per 1,000 sq. ft. of net area, at not less than the labeled minimum thickness (per the manufacturer's instructions). Failure to install both the required number of bags and at least the minimum thickness will result in lower insulation R-values.

Field blending of this product with other loose fill insulation or application of this product in conjunction with adhesive or binder systems may affect its thermal performance and is not recommended by the manufacturer.

Framing Adjustments

As shown in the table on the last page, to compensate for the framing members in open attic applications, the number of bags per 1,000 sq. ft. of area.

Specification Compliance

- CCMC 13404-L; 13422-R
 - ASTM C 764; Type I
 - HH-I-1030B; Class B
 - GREENGUARD Indoor Air Quality Certified[®]
 - GREENGUARD Children and Schools CertifiedSM
- Knauf Jet Stream MAX Fiber Glass Blowing Insulation is manufactured with a minimum of 55% post-consumer recycled glass.

Technical Data

Surface Burning Characteristics

- Does not exceed 25 Flame Spread, 50 Smoke Developed when tested in accordance with ASTM

E 84 and CAN 4-S102.2.

Critical Radiant Flux (ASTM E 970)

- Greater than 0.12 W/cm².

Moisture Vapor Sorption (ASTM C 1104)

- 5% maximum by weight.

Corrosion (ASTM C 764)

- No greater than sterile cotton.

Microbial Growth (ASTM C 1338)

- Does not support microbial growth.

Non-Combustibility (ASTM E 136)

- No temperature rise above 54°F (30°C).

Equipment Required

To achieve labeled R-value, this product must be applied with a pneumatic blowing machine and a corrugated hose with a minimum ¼" internal corrugation, a minimum length of 150' and a diameter of at least 3". Coils in the hose should not be less than 36" in diameter. Acceptable material feed rate is 5-35 lbs./minute. The recommended feed rate is 15-25 lbs./minute. For closed cavity applications, netting must be applied.

Packaging

- Jet Stream MAX Blowing Insulation is packaged in a strong, white, sealed poly bag that offers excellent protection from abuse, dust and moisture.
- Knauf Insulation packages are lightweight, stack without slipping and are easy to handle and store.

Fiber Glass and Mold

Fiber glass insulation will not sustain mold growth. However, mold can grow on almost any material when it becomes wet and contaminated. Carefully inspect any insulation that has been exposed to water. If it shows any sign of mold, it must be discarded. If the material is wet, but shows no evidence of mold, it should be dried rapidly and thoroughly.

Notes

The chemical and physical properties of Knauf Insulation Jet Stream MAX Blowing Insulation represent typical average values determined in accordance with accepted test methods. The data is supplied as technical service and is subject to change without notice. References to numerical flame spread ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. Check with your Knauf Insulation sales representative to assure information is current.

Jet Stream MAX Coverage Chart — ATTICS

Thermal Resistance		Min. Installed Thickness		Min. Weight Per Unit Area		Max. Coverage Per Bag		Bags Per Unit Area	
RSI Value	R-Value*	(mm)	(in)	(kg/m ²)	(lbs/ft ²)	(m ²)	(ft ²)	100 m ²	1000 ft ²
1.4	8	72	2.85	0.61	0.125	23.8	256.7	4.2	3.9
1.8	10	93	3.66	0.78	0.160	18.5	199.6	5.4	5.0
2.1	12	109	4.27	0.91	0.187	15.9	171.1	6.3	5.8
2.8	16	145	5.70	1.22	0.249	11.9	128.3	8.4	7.8
3.5	20	181	7.12	1.52	0.311	9.5	102.7	10.5	9.7
4.2	24	217	8.55	1.82	0.374	7.9	85.6	12.6	11.7
4.9	28	253	9.97	2.13	0.436	6.8	73.3	14.7	13.6
5.3	30	274	10.79	2.30	0.471	6.3	67.8	15.9	14.7
5.6	32	290	11.40	2.43	0.498	6.0	64.2	16.8	15.6
6.3	36	326	12.82	2.74	0.560	5.3	57.0	18.9	17.5
7.0	40	362	14.25	3.04	0.623	4.8	51.3	21.0	19.5
7.7	44	398	15.67	3.34	0.685	4.3	46.7	23.1	21.4
8.4	48	434	17.10	3.65	0.747	4.0	42.8	25.2	23.4
8.8	50	455	17.91	3.82	0.783	3.8	40.8	26.4	24.5
9.1	52	471	18.52	3.95	0.810	3.7	39.5	27.3	25.3
9.8	56	507	19.95	4.26	0.872	3.4	36.7	29.4	27.3
10.5	60	543	21.37	4.56	0.934	3.2	34.2	31.5	29.2

Jet Stream MAX Coverage Chart — WALLS

Thermal Resistance		Min. Installed Thickness		Min. Weight Per Unit Area		Max. Coverage Per Bag		Bags Per Unit Area	
RSI Value	R-Value*	(mm)	(in)	(kg/m ²)	(lbs/ft ²)	(m ²)	(ft ²)	100 m ²	1000 ft ²
2.66	15	89	3.50	2.56	0.525	5.7	60.9	17.7	16.4
4.18	24	140	5.50	4.03	0.826	3.6	38.7	27.8	25.8
5.49	31	184	7.25	5.30	1.085	2.7	29.5	36.5	34.0
7.02	40	235	9.25	6.77	1.386	2.1	23.1	46.7	43.4
8.54	49	286	11.25	8.24	1.687	1.8	18.9	56.8	52.8
10.06	57	337	13.25	9.71	1.988	1.5	16.1	66.9	62.2

Design Density = 28.8 kg/m³ (1.8 lbs./ft³)

Bag Net Weight Nominal 32 lbs. (14.5 kg.), Minimum 31 lbs. (14.0 kg.)

* "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.

**Specifications: See C.C.M.C. Evaluation Listing 13404-L and Evaluation Report 13422-R.
Complies with CAN/ULC S702.**



Insulating attics with Jet Stream MAX gives homes better thermal performance, reducing energy usage and utility bills.



Jet Stream MAX is an excellent product for Blow-in-Blanket applications. It will dense-pack in wall cavities and does not settle.



For more information call (800) 825-4434, ext. 8300

or visit us online at www.knaufinsulation.ca

Framing Adjustment—Open Attic Application						
RSI Value	R-Value	Joist Size	bag/100 SM 16 oc	bag/MSF 16 oc	bag/100 SM 24 oc	bag/MSF 24 oc
1.4	8	2 x 4	3.7	3.4	3.9	3.6
		2 x 6	3.4	3.2	3.7	3.4
		2 x 8	3.2	3.0	3.5	3.3
1.8	10	2 x 4	4.9	4.6	5.1	4.7
		2 x 6	4.6	4.3	4.9	4.5
		2 x 8	4.4	4.1	4.7	4.4
2.1	12	2 x 4	5.8	5.4	6.0	5.5
		2 x 6	5.5	5.1	5.8	5.4
		2 x 8	5.3	4.9	5.6	5.2
2.9	16	2 x 4	7.9	7.3	8.1	7.5
		2 x 6	7.6	7.1	7.9	7.3
		2 x 8	7.4	6.9	7.7	7.2
3.5	20	2 x 4	10.0	9.3	10.2	9.4
		2 x 6	9.7	9.0	10.0	9.3
		2 x 8	9.5	8.8	9.8	9.1
4.2	24	2 x 4	12.1	11.2	12.3	11.4
		2 x 6	11.8	11.0	12.1	11.2
		2 x 8	11.6	10.8	11.9	11.1
4.9	28	2 x 4	14.2	13.2	14.4	13.3
		2 x 6	13.9	12.9	14.2	13.2
		2 x 8	13.7	12.7	14.0	13.0
5.3	30	2 x 4	15.4	14.3	15.6	14.4
		2 x 6	15.1	14.0	15.4	14.3
		2 x 8	14.9	13.8	15.2	14.1
5.6	32	2 x 4	16.3	15.1	16.5	15.3
		2 x 6	16.0	14.9	16.3	15.1
		2 x 8	15.8	14.7	16.1	15.0
6.3	36	2 x 4	18.4	17.1	18.5	17.2
		2 x 6	18.1	16.8	18.4	17.1
		2 x 8	17.9	16.6	18.2	16.9
7	40	2 x 4	20.5	19.0	20.6	19.2
		2 x 6	20.2	18.8	20.5	19.0
		2 x 8	20.0	18.6	20.3	18.9
7.7	44	2 x 4	22.6	21.0	22.7	21.1
		2 x 6	22.3	20.7	22.6	21.0
		2 x 8	22.1	20.5	22.4	20.8
8.4	48	2 x 4	24.7	22.9	24.8	23.1
		2 x 6	24.4	22.7	24.7	22.9
		2 x 8	24.2	22.4	24.5	22.8
8.8	50	2 x 4	25.9	24.0	26.0	24.2
		2 x 6	25.6	23.8	25.9	24.0
		2 x 8	25.4	23.6	25.7	23.9
9.1	52	2 x 4	26.8	24.9	26.9	25.0
		2 x 6	26.5	24.6	26.8	24.9
		2 x 8	26.3	24.4	26.6	24.7
9.8	56	2 x 4	28.9	26.8	29.0	27.0
		2 x 6	28.6	26.6	28.8	26.8
		2 x 8	28.4	26.3	28.7	26.7
10.5	60	2 x 4	31.0	28.8	31.1	28.9
		2 x 6	30.7	28.5	30.9	28.7
		2 x 8	30.5	28.3	30.8	28.6

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LEED Eligible Product
Use of this product may help building projects meet green building standards as set by the Leadership in Energy and Environmental Design (LEED) Green Building Rating System.
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