



## **Jet Stream<sup>®</sup>** Fiber Glass Blowing Insulation

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## Description

Knauf Jet Stream Fiber Glass Blowing Insulation is an unbonded, virgin fibrous glass blowing insulation designed with optimal thermal properties and excellent coverage and blowing characteristics.

## Application

Knauf Jet Stream Fiber Glass Blowing Insulation is typically installed in open attics of both new and existing structures. It can also be used in retrofit closed-cavity applications. Loose fill blowing insulation is intended for use where pneumatically installed insulation is most cost-effective.

## Features and Benefits

### Installation

- Blows fast and smooth.
- Clean, white professional-looking appearance.

### Permanence

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

## Thermal Performance

Jet Stream Blowing Insulation provides you 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 in accordance with the manufacturer's instructions, the required number of bags per 1,000 sq. ft. of net area, at not less than the labeled minimum thickness. 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

To compensate for the framing members in open attic applications, the number of bags per 1,000 sq. ft. of area should be as shown in the table on the next page.

## Specification Compliance

- ASTM C 764; Type I
- HH-I-1030B; Class B
- Greenguard Environmental Institute™
- Greenguard For Children and Schools™

Knauf Jet Stream Fiber Glass Blowing Insulation is manufactured with a minimum of 20-30% 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/cm<sup>2</sup>.

### 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.

## Packaging

- Jet Stream Blowing Insulation is packaged in a strong, white poly bag that offers excellent protection from abuse, dust and moisture.
- Knauf 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 with organic materials. 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. If it shows signs of facing degradation from wetting, it should be replaced.



### Open Attic Application

R-Value*	Bags/1,000 SF	Maximum Coverage	Minimum Weight	Initial Installed Thickness	Minimum Settled Thickness**
To obtain an insulation resistance (R-value) of:	The number of bags/1,000 SF of net area should not be less than:	Contents of this bags should not cover more than:	The weight/SF of installed insulation should not be less than:	Installed insulation should not be less than:	Installed insulation should not be less than:
R-60	31.7	31.5 SF	.952 lbs.	19.75"	19.75"
R-49	25.3	39.5 SF	.760 lbs.	16.50"	16.50"
R-44	22.1	45.3 SF	.663 lbs.	14.75"	14.75"
R-38	19.0	52.7 SF	.569 lbs.	13.00"	13.00"
R-30	14.4	69.7 SF	.431 lbs.	10.25"	10.25"
R-26	12.4	80.9 SF	.371 lbs.	9.00"	9.00"
R-22	10.4	95.8 SF	.313 lbs.	7.75"	7.75"
R-19	8.9	111.8 SF	.268 lbs.	6.75"	6.75"
R-13	6.1	164.3 SF	.183 lbs.	4.75"	4.75"
R-11	5.1	197.6 SF	.152 lbs.	4.00"	4.00"

Bag Net Weight - Nominal 30 lbs., Minimum 29 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, 150' of 3" diameter internally-corrugated hose.

\* "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.

Volu-Matic® II is a registered trademark of Unisul.

### Framing Adjustment—Open Attic Application

R-Value	Bags/1,000 SF					
	16" O.C. Framing			24" O.C. Framing		
	2 x 4	2 x 6	2 x 8	2 x 4	2 x 6	2 x 8
R-60	31.2	30.8	30.5	31.3	31.1	30.8
R-49	24.8	24.4	24.1	24.9	24.7	24.5
R-44	21.5	21.2	20.9	21.7	21.5	21.2
R-38	18.4	18.1	17.8	18.6	18.4	18.2
R-30	13.8	13.5	13.3	14.0	13.8	13.6
R-26	11.9	11.6	11.3	12.0	11.8	11.6
R-22	9.9	9.7	9.4	10.1	9.9	9.7
R-19	8.5	8.2	7.9	8.6	8.4	8.2
R-13	5.6	5.4	5.1	5.8	5.6	5.4
R-11	4.6	4.3	4.1	4.7	4.5	4.3



- Knauf packages are lightweight, stack easily and offer excellent protection.



- Blows fast and smooth, for a clean, white professional appearance.



- R-value is based on the installed thickness and installed weight per square foot.

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

or visit us online at [www.KnaufInsulation.com](http://www.KnaufInsulation.com)

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## Notes

The chemical and physical properties of Knauf Jet Stream 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 sales representative to assure information is current.



Knauf Jet Stream Blowing Insulation is certified for indoor air quality as a low emitting product by The GREENGUARD Environmental Institute™, to both the GREENGUARD Certification Program™ and the more stringent GREENGUARD For Children and Schools™ standard. [www.greenguard.org](http://www.greenguard.org)

