Jet Stream® ULTRA

Blowing Insulation

Product-Data-Sheet

Description

Jet Stream® ULTRA Blowing Insulation is an unbonded fiberglass blowing insulation designed with optimal thermal properties in addition to excellent coverage and blowing characteristics.

Application

- Open attics of both new and existing structures
- Closed cavity applications behind fabric or netting
- BIBS® (Blow-in-Blanket® System) approved fiber
- Loose fill blowing insulation is intended for use where pneumatically installed insulation is most cost-effective

Specification Compliance

- ASTM C764; Type I
- HH-I-1030B; Class B

Contractor: _____

Job: _____

Date: _____

Indoor Air Quality

- asthma & allergy friendly®
- Verified Healthier Air™
- UL Environment
  - GREENGUARD Certified
  - GREENGUARD Gold Certified
  - Validated to be Formaldehyde-Free
- EUCEB Certified

Certifications

Thermal Performance

Jet Stream ULTRA provides you with a range of R-values based on the installed thickness and installed weight per square foot. The tables below 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 square feet 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.

Sustainability

We're proud to be putting glass bottles back to work rather than into landfills. Our products are made with a minimum 50% recycled glass.

Equipment Required

To achieve labeled R-value, this product must be applied with a pneumatic blowing machine and a corrugated hose with a minimum 0.25" 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. The recommended feed rate is 15–25 lbs./min. For closed cavity applications, fabric or netting must be applied.

Fiberglass and Mold

Fiberglass 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. If it shows signs of facing degradation from wetting, it should be replaced.

Technical Data

Property (Unit)	Test	Performance
Corrosion	ASTM C764	Pass
Critical Radiant Flux	ASTM E970	Greater than 0.12 W/cm²
Combustibility	ASTM E136	Non-combustible
Water Vapor Sorption (by weight)	ASTM C1104	5% maximum
Mold Growth	ASTM C1338	Pass
Surface Burning Characteristics (flame spread/smoke developed)	ASTM E84, CAN/ULC S102, UL 723	25/50

Open Attic Insulation					
R-Value	**Min. Bags/ 1,000 Sq. Ft.**	**Max. Coverage/Bag**	**Net Min. Weight/Sq. Ft.**	**Initial Installed Thickness**	**Min. Settled Thickness****
To obtain an insulation resistance of:	Number of bags per 1,000 square feet of net area should not be less than:	Contents of this bag should not cover more than:	Weight per square foot of installed insulation should not be less than:	Installed insulation should not be less than:	Installed insulation should not be less than:
R-11	4.7	210.8 sq. ft.	0.152 lb.	4"	4"
R-13	5.7	175.3 sq. ft.	0.183 lb.	4 3/4"	4 3/4"
R-19	8.4	119.3 sq. ft.	0.268 lb.	6 3/4"	6 3/4"
R-22	9.8	102.2 sq. ft.	0.313 lb.	7 3/4"	7 3/4"
R-26	11.8	85.0 sq. ft.	0.377 lb.	9 1/8"	9 1/8"
R-30	13.6	73.3 sq. ft.	0.437 lb.	10 3/8"	10 3/8"
R-38	17.8	56.2 sq. ft.	0.569 lb.	13"	13"
R-44	20.9	47.8 sq. ft.	0.670 lb.	14 7/8"	14 7/8"
R-49	23.5	42.5 sq. ft.	0.753 lb.	16 3/8"	16 3/8"
R-60	29.7	33.6 sq. ft.	0.952 lb.	19 3/4"	19 3/4"

Bag Net Weight - Nominal 32 lbs., Minimum 31 lbs.
Coverage and installation data were determined using a Volu-Matic® III blowing machine in third gear with 13" gate opening, 2.5–3.0 PSI air pressure, 150' of 3" diameter internally-corrugated hose. Volu-Matic III is a registered trademark of CertainTeed Corporation.
*"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 10-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.

Cavity Wall Coverage						
Framing	Cavity Depth	R-Value To obtain a thermal resistance of:	Density	Bags/ 1,000 Sq. Ft. Number of bags per 1,000 square feet of net area should not be less than:	Max. Coverage/Bag Contents of this bag should not cover more than:	Net Min. Weight/Sq. Ft. Weight per square foot of installed insulation should not be less than:
2" x 4"	3.50"	R-15	1.8 PCF	16.4 bags	61.0 sq. ft.	0.525 lbs.
2" x 6"	5.50"	R-23	1.8 PCF	25.8 bags	38.8 sq. ft.	0.825 lbs.
2" x 8"	7.25"	R-31	1.8 PCF	34.0 bags	29.4 sq. ft.	1.088 lbs.
2" x 10"	9.25"	R-39	1.8 PCF	43.4 bags	23.1 sq. ft.	1.388 lbs.

Check with your Knauf Insulation Territory Manager to ensure information is current.

The chemical and physical properties of this product represent average values determined in accordance with accepted test methods. The data is subject to normal manufacturing variations. The data is supplied as a 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.

This product is covered by one or more U.S. and/or other patents.
See patent www.knaufnorthamerica.com/patents

Knauf Insulation, Inc.
One Knauf Drive
Shelbyville, IN 46176

Technical Support
Phone: (317) 398-4434 Option 6

info.us@knaufinsulation.com

www.knaufnorthamerica.com