



Knauf Data Sheet

BW-DS-5 09-09

# **Perimeter Plus™**

Fiber Glass Blowing Insulation for the  
Blow-In-Blanket® System

# Perimeter Plus™ Fiber Glass Blowing Insulation

## Description

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

## Application

Blow-in-Blanket® System (BIBS) is a patented process consisting of a fiber glass loose fill blown in behind a special netting material.

Perimeter Plus Blowing Insulation is used in both new and existing structures as a Blow-In-Blanket System for closed cavity applications in which ventilation is not required.

Perimeter Plus Fiber Glass Blowing Insulation is BIBS approved and can only be installed by BIBS certified installers to ensure the highest quality installed performance.

## Features and Benefits

### Excellent Thermal Properties

- 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.
- Resists heat flow with an R-value of R-23 in 2 x 6 construction.

### Energy Conservation

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

### Noise Reduction

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

### Non-Corrosive

- Will not accelerate the corrosion of aluminum, steel or copper.

### Resists Microbial Growth

- Does not promote the growth of fungi or bacteria.
- Will not rot or sustain vermin, rodents or insects.

### Appearance

- Light green product color provides a clean, professional appearance, and easy identification on the job site to assure the performance customers require.

### Poly Bag Packaging

- Excellent protection from abuse, dust and moisture.
- Unitized packaging eases movement in the warehouse, and reduces storage space.

### Indoor Air Quality

- Greenguard™ Certified to meet the toughest indoor air quality standards in the industry.

## Thermal Performance

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.

## Specification Compliance

- ASTM C 764; Type I
- HH-I-1030B; Class B
- Greenguard™ Certified
- Greenguard For Children and Schools™ Certified
- Knauf Perimeter Plus Fiber Glass Blowing Insulation is manufactured with a minimum of 35% post consumer recycled glass.
- Meets the Quality Standards of the State of California.

## Technical Data

### Surface Burning Characteristics

- Does not exceed 25 Flame Spread, 50 Smoke Developed when tested in accordance with ASTM E 84 and CAN/ULC S102-M88.

### 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).



### Cavity Wall Application Bag Net Weight—Nominal 32 lbs., Minimum 31 lbs.

Framing	Cavity Depth	R-Value* To obtain an insulation resistance of:	Density	Bags per 1000 SF The number of bags per 1,000 square feet of net area should not be less than:	Maximum Coverage per Bag Contents of this bag should not cover more than:	Net Minimum Weight per SF The weight per square feet of installed insulation should not be less than:
2"x4"	3.50"	R-15	1.8 lbs./cu. ft.	16.4 bags	61.0 sq. ft.	0.525 lbs.
2"x6"	5.50"	R-23	1.8 lbs./cu. ft.	25.8 bags	38.8 sq. ft.	0.825 lbs.
2"x8"	7.25"	R-31	1.8 lbs./cu. ft.	34.0 bags	29.4 sq. ft.	1.088 lbs.
2"x10"	9.25"	R-39	1.8 lbs./cu. ft.	43.4 bags	23.1 sq. ft.	1.388 lbs.
2"x12"	11.25"	R-48	1.8 lbs./cu. ft.	52.7 bags	19.0 sq. ft.	1.688 lbs.
2"x14"	13.25"	R-56	1.8 lbs./cu. ft.	62.1 bags	16.1 sq. ft.	1.988 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.

#### 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'. Coils in the hose should not be less than 36" in diameter.

#### Packaging

- Knauf Perimeter Plus Blowing Insulation is packaged in a strong, 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.
- Knauf Perimeter Plus is available in single bags or in a 42 bag unit—Plus Packs—to provide convenient handling, warehousing and inventory control.

#### 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

Knauf Insulation is registered to ISO 9001:2000 in the prevention, detection and correction of problems in production and service areas. The chemical and physical properties of Knauf Perimeter Plus Blowing Insulation represent typical 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.

Check with your Knauf sales representative to assure information is current.

Perimeter Plus™ is a trademark of Knauf Insulation GmbH.  
Blow-In-Blanket® System is a registered trademark of Blow In Blanket, LLC.



- Knauf Perimeter Plus offers the highest R-value possible, delivering up to an R-15 in 2 x 4 construction.



- Knauf Perimeter Plus installs fast and clean into any wall cavity.



- Light green appearance assures your customers get the performance they require.

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

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

# KNAUF INSULATION

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### BIBCA Strengthens Your Business

As you use the Blow-In-Blanket System, membership in BIBCA (Blow-In-Blanket Contractor's Association) will provide valuable and immediate support.

- Installer training and certification assures the proper use of materials and techniques. This certification is a point of market distinction and assurance to the builder and homeowner.
- The patented BIBS process provides you a product offering that is profitable, well-proven and accepted in the market.
- Extensive scientific testing and research support BIBS performance claims.
- Sales and marketing support—advertising, lead generation, customer service, retraining and education—are available for the lifetime of your association.

BIBCA operates impartially and without profit, to provide active cooperation and information-sharing for all members.



### 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.  
Credit 4.1 - 4.2 Recycled Content  
Credit 5.1 - 5.2 Regional Materials



Knauf Perimeter Plus Fiber Glass 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)



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