

Perimeter Plus™ System

Submittal Date _____



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 fiber glass loose fill blown 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 for a clean, professional appearance.
- Easily identified on the job site assuring your customers are getting the performance they 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 Environmental Institute™
- Knauf Perimeter Plus Fiber Glass Blowing Insulation is manufactured with a minimum of 20-30% 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/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'. Coils in the hose should not be less than 36" in diameter.

Packaging

- 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.

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.

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 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.

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.

* 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.



Knauf Perimeter Plus 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

Perimeter Plus™ is a trademark of Knauf Insulation GmbH.

Blow-In-Blanket® System is a registered trademark of Blow In Blanket, LLC.