

□ **Supercube® II Loose-fill Insulation**

A bonded loose-fill fiberglass insulation. Designed for mineral fiber blowing machines. To obtain specified R-values refer to the coverage chart on the bag. For pneumatic application. This product has been tested and complies with:

- ASTM C764, Type I
- ASTM E84
- ASTM C1374
- Flame Spread <25
- ASTM E136
- Smoke Developed <50

□ **Attic Guard® PLUS**

A white loose-fill fiberglass insulation. Designed for mineral fiber blowing machines. To obtain specific R-values refer to the coverage chart on the bag. For pneumatic application. This product has been tested and complies with:

- ASTM C764, Type I
- ASTM E84
- ASTM C1374
- Flame Spread <25
- ASTM E136
- Smoke Developed <50

□ **UltraFit DS® PLUS**

□ **AsureR® PLUS**

A white loose-fill fiberglass insulation containing inorganic water activated powdered adhesive. To obtain specified R-values refer to the coverage chart on the bag. For pneumatic application. This product has been tested and complies with:

- IAPMO ER0339
- ASTM E136
- ASTM C1014
- ASTM E84
- ASTM E119
- Flame Spread 0
- ASTM E518
- Smoke Developed 0

□ **StableR®**

A white loose-fill fiberglass insulation containing inorganic water activated powdered adhesive. To obtain specified R-values refer to the coverage chart on the bag. Open attic only. This product has been tested and complies with:

- ASTM C764
- ASTM E84
- ASTM C687
- Flame Spread <25
- ASTM E136
- Smoke Developed <50

□ **CWI® PLUS**

A white loose-fill fiberglass insulation. Designed for mineral fiber blowing machines. To obtain specified R-values refer to the coverage chart on the bag. For pneumatic application. This product has been tested and complies with:

- ASTM C764, Type I
- Flame Spread <25
- ASTM E136
- Smoke Developed <50
- ASTM E84

□ **Perfect Fill®**

A white loose-fill netting system for walls, ceilings or floors. Designed for mineral fiber blowing machines. To obtain specified R-values refer to the coverage chart on the bag. For pneumatic application. This product has been tested and complies with:

- ASTM C764
- ASTM E136
- ASTM C1014
- ASTM E84
- ASTM E119
- Flame Spread <25
- ASTM C687
- Smoke Developed <50

Fiberglass Insulation Facts

Fiberglass insulation is made from mineral substances processed from molten state to an incombustible fibrous form.

Facing Facts

- Standard residential building insulation facings will burn and should not be left exposed.
- Residential insulation vapor retarder facings should always be installed toward the warm-in-winter side of the dwelling.
- Vapor retarders must have a rating of 1 perm or less.

Sound Facts

- Fiberglass insulation increases the Sound Transmission Class (STC) rating when properly installed in building assemblies. It has been determined that thickness has greater value in sound control than density.
- NRC (Noise Reduction Coefficient) data is available for most commonly-used products.

R-value

R-value means the resistance to heat flow. The higher the R-value the greater the insulating power.

Flame Spread, Combustion and Federal Testing

- Guardian Insulation loose-fill insulation has a class "A" rating of flame spread of 25 or less and smoke developed of 50 or less in accordance with ASTM E84 test method.
- Guardian Insulation blowing wool has been tested and has passed the requirements of ASTM E136 combustion characteristics and is considered non-combustible by major building codes.

Recycled Glass Content

Guardian Insulation fiberglass insulation products contain 43% post consumer recycled glass and 6% post industrial recycled glass.

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.

ASTM C665 Requirements Include The Following Test Methods:

- ASTM C518 and C653 - Thermal Resistance (R-value)
- ASTM E84 - Surface Burning
- ASTM E970 - Critical Radiant Flux
- ASTM E96 - Water Vapor Permeance
- ASTM C1304 - Odor Emission
- SECT 13.8 - Corrosiveness
- ASTM C1338 - Fungi Resistance
- ASTM C1104 - Water Vapor Sorption

ASTM C764 Requirements Include The Following Test Methods:

- ASTM C687 - Thermal Resistance (R-value)
- ASTM C1374 - Installed Thickness
- ASTM E136 - Combustion Characteristics
- ASTM E970 - Critical Radiant Flux
- ASTM C1104 - Water Vapor Sorption
- ASTM C1304 - Odor Emission
- SECT 12.7 - Corrosiveness
- SECT 14 - Coverage
- ASTM C1338 - Fungi Resistance

Underwriters Laboratories:

Batts/Blankets UL Listing BZJZ.R9602; BKNV.R9602 Restive Design.

Additional Certifications:

(may not apply to all products, check individual product literature for details)
City of New York, Department of Buildings Code Compliance for unfaced fiberglass thermal insulation code sections 27-232 and 27-348 non-combustibility. NYC MEA 417-91-M for loose-fill insulation, and MEA 416-91-M for batts.

State of California Bureau of Electronic & Appliance Repair, Home Furnishings and Thermal Insulation certified product listing license #TA1275.

Complies with CA Section 01350. (UL Greenguard Gold products comply)

Compliance with City of Los Angeles, California requirements for thermal insulations.

Minnesota Insulation Standards Program.

National Standard of Canada CAN/ULC-S702-09 for preformed and loose-fill insulations.

National Research Council Canada CCMC Evaluation listings for batts and loose-fill.