

Unfaced Batts and Blankets

An unfaced fiberglass thermal/sound attenuation blanket with no vapor retarder. Designed to fit between studs by friction. This product has been tested and complies with:

- ASTM C665, Type I
 - ASTM E84
 - Flame Spread <25
 - Smoke Developed <50
 - ASTM E136
 - UL Listing BZJZ.R9602; BKNV.R9602
 - UL 181
- | | | |
|--|--|--|
| <input type="checkbox"/> 15" R-49 Fatt Batt® | <input type="checkbox"/> 8½" R-25 | <input type="checkbox"/> 3⅝" R-15 R-Best |
| <input type="checkbox"/> 12" R-38 | <input type="checkbox"/> 7½" R-22 | <input type="checkbox"/> 3⅝" R-13 |
| <input type="checkbox"/> 10½" R-38 R-Best® | <input type="checkbox"/> 5½" R-21 R-Best | <input type="checkbox"/> 3½" R-11 |
| <input type="checkbox"/> 10" R-30 | <input type="checkbox"/> 5½" R-20 | <input type="checkbox"/> 2⅝" R-8 |
| <input type="checkbox"/> 8¼" R-30 R-Best | <input type="checkbox"/> 6¼" R-19 | |

Kraft Faced Batts and Blankets

Fiberglass insulation thermal/sound attenuation blanket with a polymer coated kraft paper vapor retarder facing on one side with stapling flanges at edges. This product has been tested and complies with:

- ASTM C665, Type II, Class C, Category 1
- | | |
|--|---|
| <input type="checkbox"/> 15" R-49 Fatt Batt | <input type="checkbox"/> 5½" R-20 |
| <input type="checkbox"/> 12" R-38 | <input type="checkbox"/> 6½" R-19 Staple Optional |
| <input type="checkbox"/> 10½" R-38 R-Best | <input type="checkbox"/> 6½" R-19 |
| <input type="checkbox"/> 10" R-30 | <input type="checkbox"/> 3⅝" R-15 Staple Optional |
| <input type="checkbox"/> 8¼" R-30 R-Best | <input type="checkbox"/> 3⅝" R-13 Staple Optional |
| <input type="checkbox"/> 8½" R-25 | <input type="checkbox"/> 3⅝" R-13 |
| <input type="checkbox"/> 7½" R-22 | <input type="checkbox"/> 3½" R-11 Staple Optional |
| <input type="checkbox"/> 5½" R-21 R-Best | <input type="checkbox"/> 3½" R-11 |
| <input type="checkbox"/> 5½" R-21 Staple Optional® | |

Foil Faced Batts and Blankets

Fiberglass insulation thermal/sound attenuation blanket with a polymer coated foil kraft paper vapor retarder facing on one side with stapling flanges at edges. This product has been tested and complies with:

- ASTM C665, Type III Class B, Category 1
 - ASTM E84
 - Flame Spread <75
 - Smoke Developed <150
- | | | |
|-----------------------------------|--|--|
| <input type="checkbox"/> 12" R-38 | <input type="checkbox"/> 7½" R-22 | <input type="checkbox"/> 3⅝" R-15 R-Best |
| <input type="checkbox"/> 10" R-30 | <input type="checkbox"/> 5½" R-21 R-Best | <input type="checkbox"/> 3⅝" R-13 |
| <input type="checkbox"/> 8½" R-25 | <input type="checkbox"/> 6½" R-19 | <input type="checkbox"/> 3½" R-11 |

Basement Wall Insulation

A fiberglass blanket laminated to a reinforced facing which can be left exposed. It is also available unfaced for non-exposed areas such as crawlspaces. This product has been tested and complies with:

- ASTM C665, ASTM E136, ASTM E96, ASTM C518, and ASTM E84
 - Flame Spread <25
 - Smoke Developed <50
- 3½" R-11

Sill Sealer

Designed to reduce air infiltration to the home through the foundation and the sill plate.

- 1" x 3½" 1" x 6"

FS 25

Designed for use where a vapor retarder is required and can be left exposed in low abuse areas. Use for jobs where a flame spread of <25 is required. This product has been tested and complies with:

- ASTM C665
 - ASTM E84
 - Flame Spread <25
 - Smoke Developed <50
 - UL Listing BZJZ.R9602; BKNV.R9602 Type III, Class A
- | | | |
|-----------------------------------|--|-----------------------------------|
| <input type="checkbox"/> 12" R-38 | <input type="checkbox"/> 5½" R-21 R-Best | <input type="checkbox"/> 3⅝" R-13 |
| <input type="checkbox"/> 10" R-30 | <input type="checkbox"/> 6½" R-19 | <input type="checkbox"/> 3½" R-11 |
| <input type="checkbox"/> 8½" R-25 | <input type="checkbox"/> 3⅝" R-15 R-Best | |

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 unfaced fiberglass blankets have 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 unfaced fiberglass blankets, have been tested and have passed the requirements of ASTM E136 combustion characteristics and are 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

Unfaced Insulation Markings:

R-value is printed on the face of the product.

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.

Not all products are GREENGUARD Certified. See applicable product specifications for details, or visit UL.COM/GG to view our certified products.