Unfaced Batts and Blankets

**EcoBatt® Insulation with ECOSE® Technology**

Glass mineral wool insulation is designed to friction fit between framing members. Specifier permitted choice of warm side vapor retarders, including foil backed gypsum board or polyethylene film. Unfaced glass mineral wool insulation is also an excellent sound control insulation, designed for installation in floor systems and in partition walls between rooms or dwellings. When tested in accordance with ASTM E 84, material has a Fire Hazard Classification of 25/50 or less.

Complies with the requirements of the applicable ASTM and cancelled federal specifications:

- ASTM C 665, Type I, Class A
- HH-I-521F, Type I, Class A
- ASTM C 665, Type II, Class A
- HH-I-521F, Type II, Class A
- ASTM C 665, Type III, Class A
- HH-I-521F, Type III, Class A

**EcoBatt® Insulation with ECOSE® Technology**

Glass mineral wool foil insulation with asphalt-coated kraft/foil facing with flanges. Foil vapor retarder has vapor transmission (permeance) rating of .05 or less. Insulation should not be left exposed. Cover with fire rated finishing surface.

Complies with the requirements of the applicable ASTM and cancelled federal specifications:

- ASTM C 665, Type III, Class B
- HH-I-521F, Type III, Class B
  - 3½” R-11
  - 6¼” R-19
  - 12” R-38

**FSK-25 Foil Faced Batts**

**EcoBatt® Insulation with ECOSE® Technology**

Glass mineral wool foil insulation with flanged reinforced foil/scrim/kraft facing with an average vapor transmission (permeance) rating of .04. When tested in accordance with ASTM E 84, material has a Fire Hazard Classification of 25/50 or less.

Complies with the requirements of the applicable ASTM and cancelled federal specifications:

- ASTM C 665, Type III, Class A
- HH-I-521F, Type III, Class A
  - 3½” R-11
  - 6¼” R-19
  - 12” R-38
  - 8” R-25

**Specialty Insulation**

**Sil Sealer with ECOSE® Technology**

A flexible unfaced glass mineral wool insulation designed for use between the sill plate and the foundation wall to provide an air infiltration barrier. When tested in accordance with ASTM E 84, material has a Fire Hazard Classification of 25/50 or less.

Complies with the requirements of the applicable ASTM and cancelled federal specifications:

- ASTM C 665, Type I, Class A
- HH-I-521F, Type I, Class A
  - 1½” x 6”

**EcoBatt® Technology Description**

ECOSE Technology is a revolutionary binder chemistry that makes Knauf Insulation products even more sustainable than ever. It is based on rapidly renewable bio-based materials rather than non-renewable petroleum-based chemicals traditionally used in glass mineral wool insulation products. ECOSE Technology reduces binder embodied energy and does not contain phenol, formaldehyde, acrylics or artificial colors.

**Sustainability**

Knauf Insulation products used for thermal insulating purposes recover the energy that it took to make them in just hours or a few days, depending on the application. Once installed, the product continues to save energy and reduce carbon generation as long as it is in place (carbon negative).

Glass mineral wool insulation with ECOSE Technology contains three primary ingredients:

- Sand, one of the world’s most abundant and renewable resources.
- Post-consumer recycled bottle glass.
- ECOSE Technology, which reduces binder embodied energy up to 70% and total product embodied energy by approximately 4%.

**Thermal Performance**

Thermal resistance (R-value) of the blanket insulation only is certified to be as represented above when measured at a mean temperature of 75°F (24°C) and subject to manufacturing and testing tolerances.

**Glass Mineral Wool and Mold**

Glass mineral wool 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.

**Quality Assurance**

On-line production is periodically tested to ensure that Knauf Insulation products deliver the stated thermal performance or better when properly installed at the label thickness. See Knauf Insulation Commercial Building Insulation Submittal (BI-SS-7) or High Density Building Insulation Submittal (BI-SS-13) for additional products.

Knauf Building Insulation is certified for indoor air quality as a low emitting product by UL Environment to both the GREENGUARD Indoor Air Quality Certification ProgramSM and the more stringent GREENGUARD GOLD standard and is verified to be formaldehyde free. www.greenguard.org

The GREENGUARD INDOOR AIR QUALITY CERTIFIED Mark is a registered certification mark used under license through UL Environment.