

EcoBatt® QuietTherm® Insulation

with ECOSE® Technology

Submittal Date _____

KNAUF INSULATION

Product Provided

Glasswool insulation is specifically designed for use in both residential and commercial wall and ceiling applications to reduce airborne sound transmission. The glasswool batts are produced in full 16" and 24" widths for friction fit installation and are available unfaced or with kraft facing. All Knauf EcoBatt® QuietTherm® products are R-value labeled and can be used in thermal applications as well.

○ Unfaced QT® Batt EcoBatt® and EcoBlanket™ Insulation with ECOSE® Technology

Glasswool insulation batts are designed to help control sound between interior walls and floor/ceilings.

They can be used in exterior wall applications with specifier choice of warm side vapor retarder, including foil backed gypsum board or polyethylene film.

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 E 136

- 2½" R-8 ○ 3½" R-13
- 3½" R-11 ○ 6¼" R-19

○ Kraft Faced QT® Batt EcoBatt® and EcoBlanket Insulation with ECOSE® Technology

Glasswool insulation with asphalted kraft paper with stapling flanges. Kraft vapor retarder has vapor transmission (permeance) rating of 1.0 or less.

It can be used in either interior or exterior wall and ceiling applications to provide thermal and acoustical benefits.

Kraft facing will burn and should be covered with an approved finish material, and should not be left exposed.

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

- ASTM C 665, Type II, Class C
HH-I-521F, Type II, Class C
- 3½" R-11 ○ 6¼" R-19
 - 3½" R-13

ECOSE® Technology Description

ECOSE Technology is a revolutionary new 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 fiber glass 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).

Fiber glass 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 by 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.

Fiber Glass and Mold

Fiber glass (glasswool) 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.

Notes

The chemical and physical properties of Knauf QuietTherm EcoBatt Insulation with ECOSE® Technology 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 Insulation sales representative to assure information is current.



Knauf EcoBatt QuietTherm Building Insulation with ECOSE Technology 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

The GREENGUARD INDOOR AIR QUALITY CERTIFIED Mark is a registered certification mark used under license through the GREENGUARD Environmental Institute.

