



On EcoBatt® Insulation Products

Knauf EcoBatt® Insulation doesn't look like any insulation you've ever seen, but that's because its natural brown color represents a level of sustainability never before achieved by Knauf. To create the next generation of sustainable insulation, EcoBatt Insulation combines:

- Sand, one of the world's most abundant and renewable resources,
- Minimum 30%, and up to 50%, post-consumer recycled bottle glass from curbside recycling and
- ECOSE® Technology

Product Features

EcoBatt Insulation products using ECOSE® Technology are the next generation of sustainable insulation. While delivering superior sustainability, they also deliver the same exceptional quality, handling and performance our customers have become accustomed to. In developing EcoBatt Insulation, maintaining Knauf's legendary product handling characteristics was an absolute requirement.

EcoBatt Glasswool Insulation products:

- are thermally efficient, providing excellent insulation value for our customers;
- provide an acoustical barrier that reduces airborne sound transmission and significantly improves STC ratings of wall configurations;
- provide the same legendary handling our customers expect from Knauf products to enhance productivity.
- recover quickly, and are gutsy and easy to cut. They are less dusty, have a friendlier feel, pleasant natural scent and offer a distinctive natural installed look.
- have superior consistency throughout the batt, from batt to batt and from package to package.
- are certified to GREENGUARD for Children and SchoolsSM, the industry's most stringent IAQ standard.
- are made using ECOSE Technology—a revolutionary new bio-based binder that does not contain phenol, formaldehyde, acrylics or artificial colors used to make traditional fiber glass insulation.

What are Knauf EcoBatt Glasswool Insulation products with ECOSE Technology made from?

Knauf EcoBatt Insulation products with ECOSE Technology form a new generation of glasswool insulation, which combines sand and post-consumer recycled bottle glass with a revolutionary, new bonding agent made from based on bio-based materials rather than the petroleum-based chemicals used in traditional fiber glass insulation binders.

Why are EcoBatt Insulation products more sustainable than other comparable standard products?

All Knauf Insulation products are inherently sustainable—they have a high recycled and renewable content and save hundreds of times more energy in use than required to manufacture them. However, glasswool insulation products made with ECOSE Technology are even more sustainable, as they have the added benefit of being made with a binder technology. ECOSE Technology comes from over five years of intensive research and development.

- ECOSE Technology is based on rapidly renewable bio-based materials rather than non-renewable petroleum-based chemicals that are commonly used in insulation products;
- ECOSE Technology does not contain phenol, formaldehyde, acrylics or artificial colors;
- ECOSE Technology reduces the binder embodied energy by up to 70% as compared to our previous products;
- ECOSE Technology reduces the expected Global Warming Potential and total embodied energy of EcoBatt Insulation by approximately 4%.

For even greater sustainability, EcoBatt Insulation also contains over 30% post-consumer recycled bottle glass collected through curbside recycling programs.

Visually, how can you tell the difference between EcoBatt Glasswool Insulation products and traditional fiber glass insulation?

The products distinguish themselves by color and new packaging. With the new technology the glasswool insulation has a distinctive natural brown color, which we did not choose... it occurred naturally.

How are EcoBatt Glasswool Insulation products different from traditional fiber glass insulation?

EcoBatt Insulation improves the already exceptional environmental credentials of fiber glass insulation, because it is manufactured with a new kind of binder technology which reduces the already low manufacturing environmental impacts while still providing superior product performance.

How do EcoBatt Glasswool Insulation products perform compared to traditional fiber glass insulation?

EcoBatt Insulation products have the same industry-leading performance as other Knauf Insulation fiber glass products. They meet all applicable specifications and standards with the additional benefit of being more environmentally friendly, sustainable and easier to handle.

What testing have EcoBatt Glasswool Insulation products gone through?

The products have undergone comprehensive and rigorous testing to determine their environmental impacts and acceptability in use. The results indicate that products with ECOSE Technology improve on the already excellent performance of our conventional fiber glass insulation products.

EcoBatt Insulation products comply with all applicable standards, including ASTM, Underwriters Laboratories (UL), GREENGUARD for Children and SchoolsSM, and California CHPS Standard 01350.