



On ECOSE® Technology

The natural brown color comes from ECOSE® Technology, a revolutionary, new bio-based binder.

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%.

What is ECOSE Technology?

ECOSE Technology is based on rapidly renewable bio-based materials rather than non-renewable petroleum-based chemicals that are commonly used in insulation products. It reduces the binder embodied energy, contains no phenol, formaldehyde or acrylics and delivers superior environmental sustainability.

How does ECOSE Technology work?

By converting bio-based materials into an inert polymer through a proprietary process, ECOSE Technology is used to create an exceptionally strong binder that bonds glasswool insulation fibers together. This revolutionary scientific discovery eliminates the phenols, formaldehyde and acrylics found in traditional insulation binders.

Is ECOSE Technology patented?

ECOSE Technology is subject to a number of global patents.

Why will products made with ECOSE Technology be more sustainable than the comparable standard available products?

Products made with ECOSE Technology represent the next generation of sustainable insulation. They have the added benefit of using a natural binder which is up to 70% less energy intensive than binders used in our standard fiber glass insulation, thereby reducing the total product embodied energy and our manufacturing carbon footprint. With ECOSE Technology, bio-based materials replace the traditional chemicals to create more advanced and sustainable products. And, since ECOSE Technology contains no phenol or formaldehyde, it also eliminates those manufacturing emissions.