



Data Sheet

BI-BTS-DS

07-17

ECOBATT®

Staple-Free Insulation with ECOSE® Technology

Knauf Insulation Staple-Free EcoBatt Insulation is a flexible, glass mineral wool insulation batt with a flangeless kraft facing. This product is designed for friction fit application, requiring no stapling to hold the batt in the stud cavity. In addition, the kraft facing provides a vapor retarder membrane.

ECOSE Technology is a revolutionary binder chemistry that enhances the sustainability of our products. The "binder" is the bond that holds our glass mineral wool product together and gives the product its shape and brown color. ECOSE Technology is a plant-based, sustainable chemistry that replaces the phenol/formaldehyde (PF) binder traditionally used in glass mineral wool products. Products using ECOSE Technology are formaldehyde-free and have reduced global warming potential when compared to our products of the past.



EcoBatt® Staple-Free Insulation with ECOSE® Technology

APPLICATION

Knauf Insulation Staple-Free EcoBatt Insulation is designed for use in wood framed cavities of exterior wall assemblies, where the framing members are 16" o/c. In some cases, such as knee wall applications, you should continue to install Knauf Insulation Kraft Faced EcoBatt Insulation.

INSTALLATION

- Knauf Insulation Staple-Free EcoBatt Insulation is a friction fit batt designed for use in standard 2" x 4" or 2" x 6" wood framed construction where the stud spacing is no more than 16" on center.
- Place Staple-Free EcoBatt Insulation snugly in the wall cavity between framing members with the facing toward the inside of the home and without compressing the batt. The kraft facing edge should make contact with the stud framing along the full batt height on both sides. Stapling is not required.
- For smaller stud cavities, cut staple-free batts ¾" wider than the inside width dimensions of the wall cavity and follow the instructions above.
- The installer should make certain that there are no obstructions that could prevent a tight fit and create a gap or void. Repair all tears in kraft facing.
- Do not leave kraft faced batts exposed. Cover with an approved finish material (i.e. gypsum board).
- Gently stuff scrap pieces of insulation in a small opening, especially those around windows or doors. Place small pieces of insulation behind all outlet boxes without over-compressing the insulation.
- Attention to detail is very important. Seal all penetrations in exterior walls with EcoSeal Plus™ or other forms of air sealant.

SPECIFICATION COMPLIANCE

- ASTM C665; Type II, Class C
- UL Environment
 - GREENGUARD certified
 - GREENGUARD Gold certified
 - Validated to be formaldehyde-free

PACKAGING

Knauf Insulation Staple-Free Batt Insulation is packaged in a strong, white poly bag that offers excellent protection from abuse, dust and moisture. Knauf Insulation's unitized packaging combines batt bags in one convenient banded package, requiring less space for storage.

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 with organic materials. 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 Insulation Staple-Free 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 Territory Manager to ensure information is current.

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UL Environment GREENGUARD Certification Program
Staple-Free EcoBatt Insulation is certified to UL Environment GREENGUARD standards for low chemical emissions into indoor air during product usage.

UL Environment GREENGUARD Gold Certification Program
Knauf Insulation has achieved UL Environment GREENGUARD Gold Certification for Staple-Free EcoBatt Insulation.

For more information, visit ul.com/spot



LEED Eligible Product
Use of this product may help building projects meet green building standards as set by the Leadership in Energy and Environmental Design (LEED) Green Building Rating System.

LEED v2009
MR Credit 4.1 - 4.2 Recycled Content
MR Credit 5.1 - 5.2 Regional Materials

LEED v4
Knauf Insulation offers several products for both envelope and mechanical systems that have ingredient disclosure and transparency. Please contact transparency@knaufinsulation.com for products that currently contribute to MR credits.



This product has been tested and is certified to meet the EUCEB requirements.

This product is covered by one or more U.S. and/or other patents. See patent www.knaufinsulation.us/patents.

Technical Data

Property (Unit)	Test	Performance
Corrosiveness	ASTM C665	Does not accelerate corrosion of steel
Thermal Value	ASTM C518	R-value of insulation only
Water Vapor Permeance	ASTM E96	Kraft facing: 1.0 perms or less
Water Vapor Sorption (by weight)	ASTM C1104	Less than 5%
Mold Growth	ASTM C1338	Pass