

Inner-Safe Batt Insulation with ECOSE® Technology

Submission Date _____



DESCRIPTION

Inner-Safe batt insulation is a non-combustible product that meets and exceeds NFPA 13 Standard requirements—saving time and money on multi-family construction projects by offering a superior alternative to sprinklers in interstitial spaces. Inner-Safe works with the typical floor joist types found in multi-family and mixed-use projects: I-Joist and Open Web.

ECOSE® TECHNOLOGY

ECOSE Technology is a revolutionary binder chemistry that enhances the sustainability of our products. The “binder” is the bond that holds our fiberglass 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 fiberglass products. Products using ECOSE Technology are formaldehyde-free and have reduced global warming potential when compared to our products of the past.

APPLICATION

Knauf Insulation Inner-Safe batt insulation with ECOSE Technology is a great option when NFPA 13 Standard Code is required in the interstitial cavity.

It is designed to friction fit between framing members. Inner-Safe Insulation complies with NFPA 13 Section 8.15.1.2.7 allowing for a non-combustible substitution and is a very efficient and cost effective alternative. It can be installed in either a single layer or double layer method depending on the joist depth to satisfy the requirements noted in NFPA 13 Section 8.15.1.2.7.1. Inner-Safe is able to satisfy floor cavities from 8" to 24"

SUSTAINABILITY

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

Fiberglass insulation with ECOSE Technology contains three key ingredients:

- Recycled glass content, verified annually by UL Environment
- Sand, one of the world’s most abundant resources
- Our green chemistry initiative ECOSE Technology, which is validated to be formaldehyde-free

FIBERGLASS AND MOLD

Fiberglass 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 Insulation Inner-Safe batt insulation represent 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.

Technical Data		
Property (Unit)	Test	Performance
Corrosiveness	ASTM C665	Does not accelerate corrosion of steel
Corrosion	ASTM C1617	Pass
Combustibility	ASTM E136	Non-combustible
Odor Emission	ASTM C1304	Pass
Maximum Service Temperature	ASTM C411	350 °F (177 °C)
Mold Growth	ASTM C1338	Pass
Water Vapor Sorption (by weight)	ASTM C1104	5% or less
Surface Burning Characteristics (flame spread/smoke developed)	ASMT E84, CAN/ULC S102	25/50

Forms Available		
Thickness	Width	Length
8" (203 mm)	16" (406 mm)	48" (1219 mm)
	24" (610 mm)	
10" (254 mm)	16" (406 mm)	
	24" (610 mm)	
12" (305 mm)	16" (406 mm)	
	24" (610 mm)	

Please contact your Territory Manager for availability.



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



Sales (800) 825-4434 ext. 8485 | Technical Support (800) 825-4434 ext. 8727 | info.us@knaufinsulation.com
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