

DATA SHEET

EcoBatt® Integrated Roof Deck (IRD) Insulation with ECOSE® Technology



DESCRIPTION

EcoBatt IRD Insulation is the proven insulation solution preferred by professional installers. It provides the insulation component of an unvented attic assembly. New code requirements offer insulation options for vented attics—where HVAC systems and water heaters are often placed in states where basements are not standard. EcoBatt IRD insulation is an economical solution to support Title 24 Option B High-Performance Attic Prescriptive Method code requirements.

APPLICATION

- Wood Frame Construction
 - Vented High Performance attics
 - Unvented High Performance attics

SPECIFICATION COMPLIANCE

- ASTM C665; Type II, Class C, Category 2
- California Energy Commission

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.

FORMS AVAILABLE			
R-Value	Facing	Dimensions	Coverage
R-19	KSK, PERF	6¼" x 24" x 48"	128 sq. ft./bag
R-38	KSK, PERF	12" x 24" x 48"	64 sq. ft./bag

CONTRACTOR: _____
JOB: _____
DATE: _____

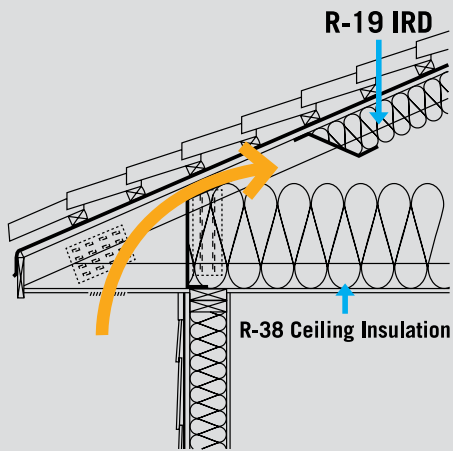
DOING MORE FOR THE WORLD WE LIVE IN.

Knauf Insulation products with ECOSE® Technology are made using our patented, bio-based binder - a smarter alternative to the phenol/formaldehyde (PF) binder traditionally used in fiberglass products. The bio-based binder holds our product together, gives the product its unique appearance and makes it formaldehyde-free.

All of our products are made from sustainable resources, such as recycled glass and sand. And we're proud to be putting glass bottles back to work rather than into landfills. Our products are made with a minimum of 50% recycled glass—totaling an average of 26 million bottles each month.



TECHNICAL DATA		
Property (Unit)	Test	Performance
Corrosiveness	ASTM C665	Does not accelerate corrosion of steel
Maximum Service Temperature	ASTM C518	R-19, R-38
Water Vapor Sorption (by weight)	ASTM C1104	Less than 5%
Mold Growth	ASTM C1338	Pass
Surface Burning Characteristics	ASTM E84	Kraft facing will burn and should not be left exposed



HIGH PERFORMANCE VENTED ATTICS (R-19 IRD)

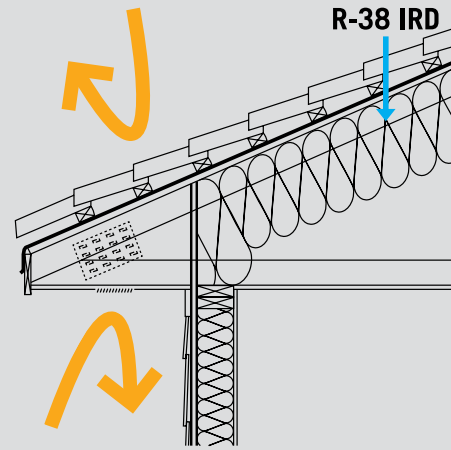
New code requirements offer insulation options for vented attics—where HVAC systems are often placed in states where basements are not standard. EcoBatt IRD insulation is an economical solution to support the Title 24 Option B High-Performance Attic code requirements.

Defining California's Title 24 Code Requirements — Title 24, Section: 150.1(c).1.ii—Option B High-Performance Vented Attic

A minimum R-value of insulation installed between the roof rafters in contact with the roof deck and an additional layer of ceiling insulation located between the attic and the conditioned space. The EcoBatt IRD solution applies to California's climate zones 4 and 8–16.

Compliance Credits: 1–3% compliance credits over R-13 wired roof deck batts*

*Two-story, 1,400 sq. ft. attic with R-38 + R-19 insulation vs. R-38 + R-13



HIGH PERFORMANCE UNVENTED ATTICS (R-38 IRD)

Potential Cost Savings vs Vented Attics

- Eliminates ceiling insulation
- Eliminates O'Hagin's or ridge vents
- Eliminates soffit, gable vents
- Eliminates radiant barrier where required

IRD provides the insulation component of an unvented attic assembly. Air sealing the attic is another important component of the unvented attic and special attention should be given to critical areas such as the roof deck, gable ends, eaves and any roof penetrations.

Compliance Credits: 2.4–6.2% compliance credits over R-13 wired roof deck batts**

**Unvented two-story, 1,400 sq. ft. attic vs. R-38 + R-13 vented

CERTIFICATIONS



Check with your Knauf Insulation Territory Manager to ensure information is current.

The chemical and physical properties of this product 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.

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

Visit knaufnorthamerica.com to learn more.

KNAUF INSULATION, INC.

One Knauf Drive
Shelbyville, IN 46176

Technical Support

(317) 398-4434 ext. 8727
info.us@knaufinsulation.com

02-20

© 2020 Knauf Insulation, Inc.