

DATA SHEET

FDM Blanket Insulation

with *ECOSE®* Technology



DESCRIPTION

FDM Blanket Insulation is a resilient, flexible blanket insulation made from inorganic glass fibers bonded with ECOSE Technology.

APPLICATION

- Flexible ducts

SPECIFICATION COMPLIANCE

U.S.

- ASTM C553; Types I and II
- UL/ULC Classified
- UL Air Duct Component Recognized - Thermal Resistance

NOTE

The UL 181 tests are construction specific. As such, it is the responsibility of the flex duct manufacturers to submit their products to a third party testing facility for UL 181 compliance.

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.

with **ECOSE**
TECHNOLOGY



FORMS AVAILABLE

Thickness	Installed Thickness	R-Value	Width	Length
2"	1 5/8"	R-6	Varies	150'
2 5/8"	2 1/8"	R-8		125'

TECHNICAL DATA

Property (Unit)	Test	Performance
Corrosion	ASTM C1617	Pass
Thermal Conductivity	ASTM C518	0.26
Odor Emission	ASTM C1304	Pass
Water Vapor Sorption (by weight)	ASTM C1104	Less than 5%
Mold Growth	ASTM C1338	Pass
Surface Burning Characteristics (flame spread/smoke developed)	ASTM E84, NFPA 255, UL 723	25/50, UL/ULC Classified

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.

Insulation used in direct contact with air streams that provide conditioning to occupied spaces must be discarded if exposed to water.

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

01-21

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