

## DATA SHEET

# Unfaced Metal Building Insulation for Canada *with ECOSE® Technology*



### DESCRIPTION

Unfaced Metal Building Insulation for Canada is a resilient, flexible unfaced blanket insulation made from inorganic fibers bonded with ECOSE Technology. This product is intended for the Canadian market and is suitable for application of facings and has sufficient tensile and bond strength for normal handling by the fabricator and contractor.

### APPLICATION

- Pre-engineered buildings
  - Faced with a suitable vapor retarder: exterior wall and roof surfaces
  - Unfaced: voids in walls and roof cavities

### INDOOR AIR QUALITY

- UL Environment
  - GREENGUARD Certified
  - GREENGUARD Gold Certified
  - Validated to be Formaldehyde-Free
- EUCEB Certified

### SPECIFICATION COMPLIANCE

- ASTM C553; Type I
- CAN/ULC S702
- UL/ULC Classified

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
Corrosion	ASTM C1617	Pass
Combustibility	ASTM E136	Non-combustible
Smoulder Resistance	CAN/ULC S129	Pass
Non-combustible	CAN/ULC S114	Pass
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	UL/UL Classified FHC 25/50 (unfaced)

FORMS AVAILABLE			
R-Value (RSI)	Thickness	Width	Length
R-10 (1.8)	3" (76 mm)	36"-96" (914 mm-2,438 mm)	100' (30.5 m)
R-12 (2.1)	3½" (89 mm)		100' (30.5 m)
R-13 (2.3)	4" (102 mm)		75' (22.9 m)
R-17 (3.0)	5" (127 mm)		50' (15.3 m)
R-20 (3.5)	6" (152 mm)		50' (15.3 m)
R-21 (3.7)	6¼" (159 mm)		40' (12.2 m)
R-28 (4.9)	8¼" (210 mm)		30' (9.1 m)

Please contact your Territory Manager for availability.

### CAUTION

If Knauf Insulation Unfaced Metal Building Insulation for Canada with ECOSE Technology is compressed beyond a 5:1 ratio during or after lamination, the product's recovered thickness may be affected.

### 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.

## 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](http://www.knaufnorthamerica.com/patents)

Visit [knaufnorthamerica.com](http://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](mailto:info.us@knaufinsulation.com)

07-21

© 2021 Knauf Insulation, Inc.