



Performance+[®]

Metal Building Cavity Insulation with ECOSE[®] Technology

Product-Data-Sheet

Description

Performance+[®] Metal Building Cavity Insulation is a resilient, flexible unfaced blanket insulation made from inorganic fibers bonded with ECOSE[®] Technology. **It is not designed to meet the requirements of NAIMA 202-96 (Rev. 2000).**

Application

- Unfaced thermal and acoustical insulation to fill voids in walls and roofs of metal buildings.
- **Not intended to meet the requirements of NAIMA 202-96 (Rev. 2000).**

Specification Compliance

- ASTM C553; Type I, II (Max. operating temp. 350° F)
- ASTM C991; Type I
- UL/ULC Classified

Indoor Air Quality

- **Asthma & Allergy Friendly[®]** Certified
- Verified Healthier Air[™]
- UL Environment
 - GREENGUARD Certified
 - GREENGUARD Gold Certified
 - Validated to be Formaldehyde-Free
- EUCB Certified

Certifications



The Asthma & Allergy Friendly[®] Certification Mark is a Registered Certification Mark of the Asthma Allergy Foundation of America (AAFA) and Allergy Standards Ltd (ASL). Verified Healthier Air[™] is a trademark of Airmid Healthgroup. USGBC[®] and the related logo are trademarks owned by the U.S. Green Building Council[®] and are used with permission.

Contractor: _____

Job: _____

Date: _____

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)	ASTM E84, UL 723	UL/ULC Classified FHC 25/50 (unfaced)

Forms Available

R-Value	Thickness	Width	Length
R-10	3¼" (76 mm)	48"-72" (1,219 mm-1,824 mm)	100' (30.5 m)
R-11	3½" (89 mm)	48"-88" (1,219 mm-2,235 mm)	90' (27.4 m)
R-13	4¼" (102 mm)	36"-72" (914 mm-1,824 mm)	80' (24.4 m)
R-16	5" (127 mm)	36"-96" (914 mm-2,438 mm)	60' (18.3 m)
R-19	6" (152 mm)		55' (16.8 m)
R-25	8" (203 mm)	48"-72" (1,219 mm-1,824 mm)	40' (12.2 m)
R-30	9¼" (235 mm)		30' (9.1 m)

Please contact your Territory Manager for availability.

CAUTION

If Knauf 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.

Check with your Knauf 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.

Consult with or follow local building and energy codes to determine appropriate R-values and need for and placement of a vapor retarder.

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Technical Support

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This product is covered by one or more U.S. and/or other patents.

See patent www.knaufnorthamerica.com/patents

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