DATA SHEET

Metal Building Insulation NAIMA 202-96 (Rev. 2000) *with ECOSE® Technology*

DESCRIPTION

Metal Building Insulation NAIMA 202-96 (Rev. 2000) is a resilient, flexible unfaced blanket insulation made from inorganic fibers bonded with ECOSE Technology. The blanket is suitable for application of facings and has sufficient tensile and bond strength for normal handling by the laminator and contractor. NAIMA 202-96 (Rev. 2000) is required to meet NIA Certified Faced Insulation Standard.

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, II (Max. operating temp. 350° F)
- ASTM C991; Type I
- NAIMA Standard 202-96 (Rev. 2000)
- 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.

with ECOSE® TECHNOLOGY

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	**Out of Package R-Value**	**Thickness**	**Width**	**Length**
R-10	R-10.8	3¼" (83 mm)	36" (914 mm)–72" (1824 mm)	100' (30.5 m)
R-11	R-11.9	3½" (89 mm)	48" (1219 mm)–96" (2438 mm)	100' (30.5 m)
R-13	R-14	4¼" (108 mm)	36" (914 mm)–96" (2438 mm)	75' (22.9 m)
R-19	R-20.6	6" (152 mm)	36" (914 mm)–96" (2438 mm)	50' (15.2 m)
R-25	R-27	8" (203 mm)	48" (1219 mm)–96" (2438 mm)	35' (12.2 m)
R-30	R-32.5	9¼" (235 mm)	36" (914 mm)–72" (1824 mm)	25' (7.6 m)

Please contact your Territory Manager for availability.

SOUND ABSORPTION COEFFICIENTS I ASTM C423, TYPE A MOUNTING							
Thickness	**⅓ Octave Band Center Frequency (cycles/sec.)**						
	125	**250**	**500**	**1000**	**2000**	**4000**	**NRC**
3"	0.36	0.76	1.04	0.94	0.98	1.00	0.95
4"	0.59	1.01	0.97	0.96	1.06	1.08	1.00
6"	1.18	1.36	1.02	1.02	1.12	1.07	1.15

CAUTION

If Knauf Insulation Metal Building Insulation NAIMA 202-96 (Rev. 2000) 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

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

01-20