

Performance+®

Wall and Ceiling Liner M with ECOSE® Technology

Product-Data-Sheet

Description

Performance+® Wall and Ceiling Liner M with ECOSE Technology is a brown flexible fiberglass blanket with a black mat facing adhered to one surface. It provides thermal and acoustical insulation while a smooth, tough surface resists damage during installation. It is intended to be mechanically fastened to walls and can be left exposed, covered with fabric or suspended above linear metal and metal pan ceiling systems to serve as both a visual and acoustical treatment.

Application

- Acoustical and visual barrier for walls and ceilings where a black surface is required
- Theaters, sound studios, public concourses and other areas where acoustical treatment is needed



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 on steel
Corrosion	ASTM C1617	Pass
Surface Burning Characteristics (flame spread/smoke developed)	ASTM E84, UL 723, NFPA 90A and 90B (IB), CAN/ ULC S102 (IB)	UL/ULC Classified FHC 25/50

Forms Available

Density	Thickness	Width	Length
1.5#	1"	48"	100'
	1.5"		50'
	2"		50'

Sound Absorption Coefficients | ASTM C423, Type A Mounting

Type		Octave Band Center Frequency (cycles/sec.)						
		125	250	500	1000	2000	4000	NRC
1.5 PCF (24 kg/m³)	1" (25 mm)	0.18	0.28	0.73	0.85	0.91	0.90	0.70
	1.5" (38 mm)	0.23	0.50	0.87	0.92	0.93	0.93	0.80
	2" (51 mm)	0.37	0.76	1.02	1.00	0.98	0.92	0.95
2.0 PCF (32 kg/m³)	0.5" (13 mm)	0.10	0.17	0.43	0.59	0.73	0.75	0.50
	1" (25 mm)	0.25	0.35	0.69	0.89	0.96	1.01	0.70
	1.5" (38 mm)	0.27	0.55	0.87	0.99	1.00	0.98	0.85

Available in 48" (1,219 mm) wide rolls in lengths of 100' or 50' (30.48 or 15.24 m).

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.

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

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

See patent www.knaufnorthamerica.com/patents

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Knauf Insulation, Inc.

One Knauf Drive
Shelbyville, IN 46176

Technical Support

Phone: (317) 398-4434 Option 6

info.us@knaufinsulation.com

www.knaufnorthamerica.com