



AKOUSTI-BOARD BLACK™

DESCRIPTION

Akousti-Board Black is a heavy density fiberglass insulation. The base board has a black mat applied to provide a smooth, tough finish.

SUSTAINABILITY

Manson Insulation products with ECOSE[®] Technology are made using a 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 and gives the product its unique appearance, making it formaldehyde-free.

The Akousti-Board Black Environmental Product Declaration (EPD) is third party verified. An EPD is a comprehensive document that reports the environmental impacts of a product, calculated via a Life Cycle Assessment (LCA). This transparency document enables our products to contribute towards achieving green building certifications and allows our customers to make informed decisions. Our products are made with a minimum of 50% UL Certified Recycled Glass Content.

APPLICATION

Manson Insulation Akousti-Board Black is designed for use as acoustical insulation and/or visual barrier on walls and ceilings where system design requires a rigid product and where additional strength and abuse resistance are required. The black surface provides a visual barrier with an aesthetically pleasing appearance, in both wall and ceiling applications. This product is typically used where framing members are not present.

INDOOR AIR QUALITY

- **Asthma & Allergy Friendly[®]** Certified
- Verified Healthier Air™
- UL Environment
 - GREENGUARD Certified
 - GREENGUARD Gold Certified
 - Validated to be Formaldehyde-Free
- EUCEB certified
- Does not contain polybrominated diphenyl ethers (PBDE) such as Penta-BDE, Octa-BDE, or Deca-BDE

SPECIFICATION COMPLIANCE

- ASTM C612, Type IA (maximum service temperature 250° F)

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.

NOTES

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.

Check with your Manson Insulation Area Manager to ensure information is current.

AKOUSTI-BOARD BLACK™

TECHNICAL DATA

PROPERTY (UNIT)	TEST	PERFORMANCE
Maximum Service Temperature	ASTM C411	250° F (121° C)
Mold Growth	ASTM C1338, G21, G22	Pass
Water Vapor Sorption (by weight)	ASTM C1104	3% or less
Surface Burning Characteristics (flame spread/smoke developed)	ASTM E84, UL 723, CAN/ULC S102	UL Classified FHC 25/50

SOUND ABSORPTION COEFFICIENTS | ASTM C423, TYPE A MOUNTING, OCTAVE BAND CENTER FREQUENCY (CYCLES/SEC.)

DENSITY	THICKNESS	125	250	500	1000	2000	4000	NRC
3.0 PCF (48 kg/m ³)	1" (25 mm)	0.13	0.24	0.56	0.83	0.92	0.98	0.65
	2" (51 mm)	0.33	0.67	1.07	1.07	1.03	1.06	0.95

Available 24" (610 mm) wide x 48" (1219 mm) long.

FORMS AVAILABLE

DENSITY	THICKNESS	R-VALUE	WIDTH	LENGTH
3.0 PCF (48 kg/m ³)	1" (25 mm)	R-4.3	48" (1,219 mm)	120" (3,048 mm)
	2" (51 mm)	R-8.7	24" (610 mm)	48" (1,219 mm)

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