



AcoustiGuard™ Mineral Liner is a high quality semi-rigid mineral fiber board with a scrim facing of tough, smooth, matt-black, non-woven, non-respirable continuous strand fiberglass.

The scrim facing is fabricated from fire retardant fibers and bonded with a latex thermosetting binder. It is recommend for use where exceptional acoustic performance, a durable finish and premium appearance is required.

Applications:

- HVAC Fan Plenums and Air Ducts
- Cinema / Theater / Sound Stage walls and ceilings
- Machine / Engine Enclosure linings

AcoustiGuard™ ML is easy to apply and can be field cut with a common utility knife. For secure and permanent installation, use mechanical fasteners or specified adhesives – available from AcoustiGuard™.

Dimensions:

ML-100 1-in x 24-in x 48-in

ML-200 2-in x 24-in x 48-in

Custom cutting / trimming available.
1-inch illustrated.

Scrim Properties:

- ASTM D 737 Permeability 557 ft³/min/ft²
- ASTM D 774 Mullen burst 37.1 lbs./in²
- ASTM D 828 Tensile 11.7 & 6.1 lbs/in
- ASTM D 646 Weight 32.6 lbs./2880 ft²
- NFPA Flammability 0
- Melting Point > 700°F
- % Solubility in Water Insoluble
- Thickness ≈ 30 Mil.

Mineral Fiber Board Properties:

- ASTM E 136 @1380°F Non-Combustible
- CAN4 S114 Non-Combustible
- ASTM E 84 Surface Burning 5 and 5
- ULC S102 Surface Burning 5 and 10
- ASTM C 356 Lin. Shrinkage 0.35% @ 1200°F
- ASTM C 1104 Sorption 0.3%
- ASTM C 1338 Fungi Passed
- ASTM C 518 R-value/inch 4.1 hr. ft² F/Btu
- ASTM C 612 Density 3.5 lbs/ft³
- ASTM C 165 Compressive @ 25% = 209 lbs./ft²
- UL 181 Max Air Velocity 1000 ft./min.

Frequency Hz.	Absorption Coefficient 1-inch	Absorption Coefficient 2-inch
62.5		
125	0.08	0.26
250	0.23	0.68
500	0.66	1.14
1000	0.93	1.13
2000	1.02	1.06
4000	1.02	1.07
8000		
NRC	0.70	1.00

Absorption (ASTM C 423) STC Frequencies only

