

# AcoustiGuard ML

## Acoustic Mineral Liner Board



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

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

**Sheet Size:** 24" x 48" (8 square feet).

### USES

- HVAC Fan Plenums and Air Ducts
- Cinema / Theater / Sound Stage Walls & Ceilings
- Machine / Engine Enclosure Linings

AcoustiGuard™ ML is easy to apply and can be cut with a common utility knife. For secure and permanent installation use mechanical fasteners or specified adhesives - Available from AcoustiGuard™ - **WILREP LTD.**

### PRODUCT DATA

#### Scrim Properties

ASTM D 737	Permeability	557 ft <sup>3</sup> /min/ft <sup>2</sup>
ASTM D 774	Mullen burst	337.1 lbs. / in <sup>2</sup>
ASTM D 828	Tensile	11.7 & 6.1 lbs./in
ASTM D 646	Weight	32.6 lbs./2880 ft <sup>2</sup>
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	
CAN4S114	Non-Combustible	
ASTM E84	Surface Burning	5 and 10
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. ft. <sup>2</sup> F/Btu
ASTM C 612	Density	3.5 lbs./ft <sup>3</sup>
ASTM C 165	Compressive	@ 25% = 209 lbs./ft <sup>2</sup>
UL 181	Max Air Velocity	1000 ft./min.

**NOTICE:** Stated data is based on recognized testing methods. Product performance can be affected by field conditions and installation methods. Users of these products are responsible for determining suitability for their application and compliance with any legal provisions including those relating to health and safety.

Frequency (Hz)	Absorption Coefficient 1 in.	Absorption Coefficient 2 in.
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
<b>NRC</b>	<b>0.70</b>	<b>1.00</b>

