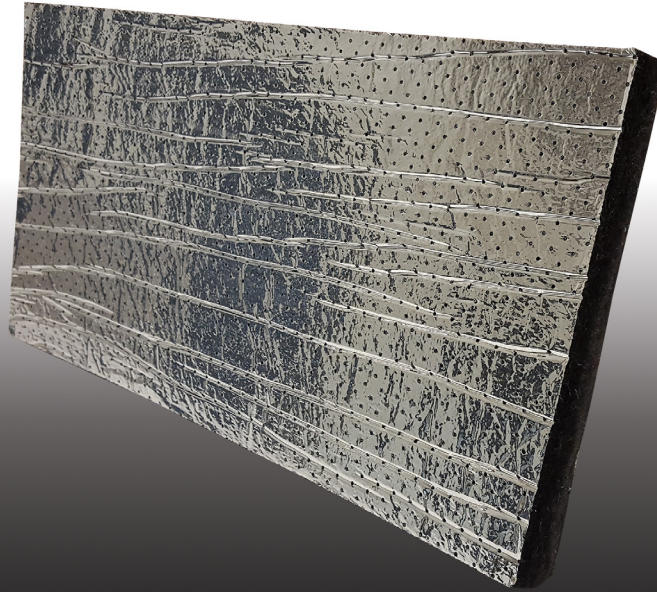




Constantly seeking better ways to be the best®

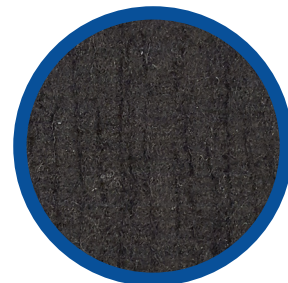


MilFiber-AL

MilFiber-AL is a vertically lapped synthetic fiber-based sound absorbing material with an aluminized facing. It has been engineered to provide superior thermal insulation and high sound absorption. It is a light, thin treatment which prevents major weight changes in the final application. The hydrophobic fibers are low odor and do not support mold or mildew growth. The fiber is non-wicking and does not retain moisture. MilFiber-AL meets the requirements of UL94 HF-1 and HB as well as is FMVSS 302 compliant.

TYPICAL APPLICATIONS:

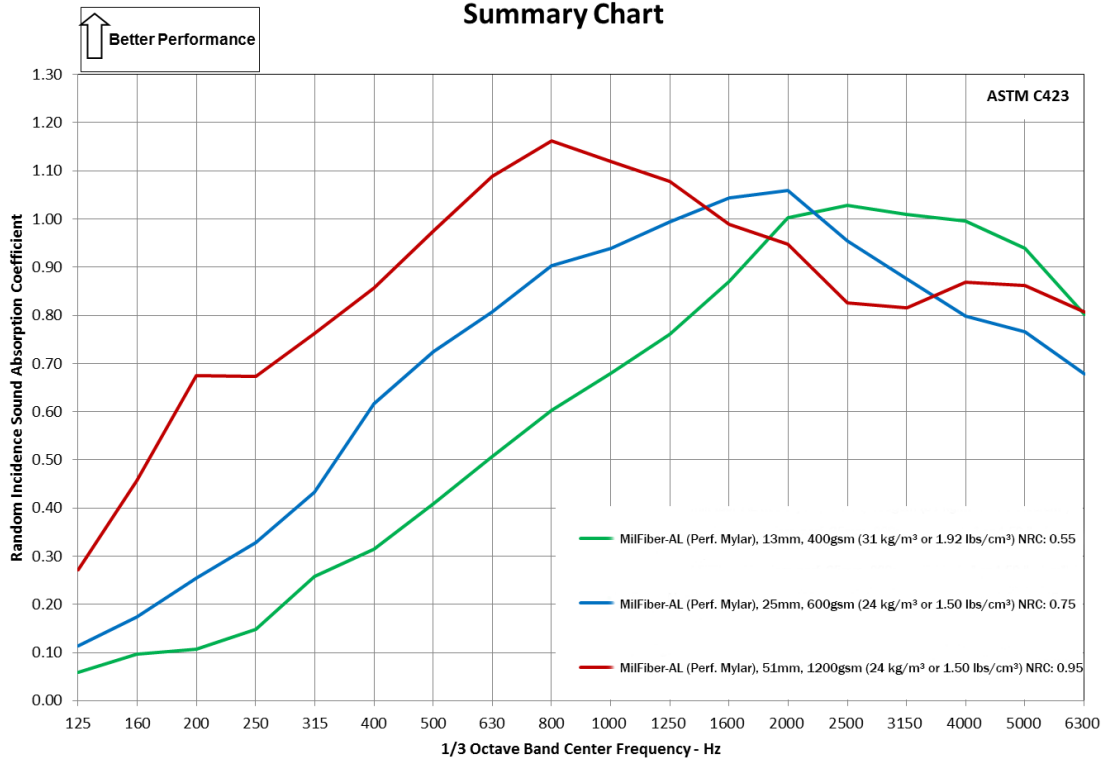
- Vehicle Engine Bay
- Enclosure Engine/Exhaust Bay



Typical Physical Properties

Physical Property	Test Method	Typical Results
Color		Black Or Grey
Facing		Perforated, Standard, or Reinforced Aluminized Mylar
Surface Density Range of Fiber Core		250 - 2,000 gsm
Thickness Range		4 - 32 mm
Maximum Service Temperature		110°C (continuous)
Humidity Resistance		Excellent (no degradation)
Mold/Mildew Resistance		Good
Odor		Good
Moisture Absorption		< 0.03% by vol. at 50°C, 90% R.H. (4 days or more)
Thermal Conductivity	ASTM C518	0.26 BTU-in/hr-ft ² -°F @ 22.5°C
Flammability	FMVSS 302 UL94 HF-1 & HB	Pass Pass
Toxicity		Non-toxic
TSCA Compliant		Yes
RoHS Compliant		Yes
EU REACH Compliant		Yes

**Random Incidence Sound Absorption
Summary Chart**



Random Incidence Sound Absorption Coefficient - ASTM C423 Data

Frequency (Hz)	0.5" MilFiber-AL	1" MilFiber-AL	2" MilFiber-AL
125	0.06	0.11	0.27
160	0.10	0.17	0.46
200	0.11	0.25	0.67
250	0.15	0.33	0.67
315	0.26	0.43	0.76
400	0.31	0.62	0.86
500	0.41	0.72	0.98
630	0.51	0.81	1.09
800	0.60	0.90	1.16
1000	0.68	0.94	1.12
1250	0.76	0.99	1.08
1600	0.87	1.04	0.99
2000	1.00	1.06	0.95
2500	1.03	0.95	0.83
3150	1.01	0.88	0.82
4000	1.00	0.80	0.87
5000	0.94	0.76	0.86
6300	0.80	0.68	0.81
8000	0.75	0.72	0.78
10000	0.77	0.72	0.84
SAA	0.6	0.8	0.95
NRC	0.55	0.75	0.95