

TAKE CABIN COMFORT TO NEW HEIGHTS.

Aearo Technologies LLC, a 3M company, designs and manufactures innovative, weight-efficient thermal acoustic materials for business class and VIP aircraft. A pioneer in cabin comfort, Aearo Technologies uses innovative E-A-R branded materials engineered to control typical in-flight airborne noise and structural

vibration generated from engines, aerodynamics, and internal systems such as environmental control systems. This material catalog includes advanced damping composites, acoustic barriers and supporting materials for the optimal cabin experience.



ACOUSTIC BARRIERS

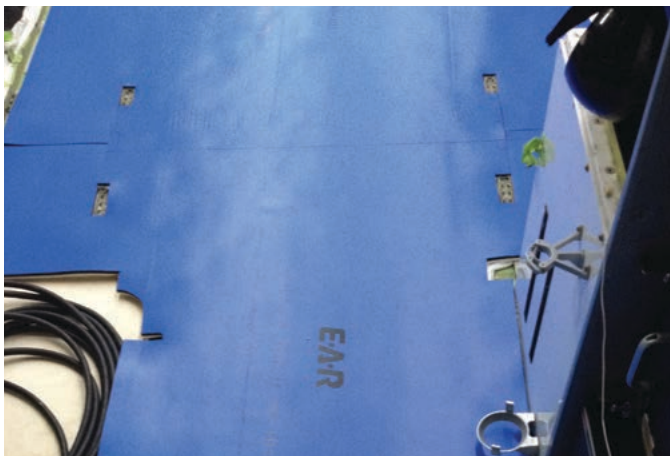
Acoustic Barrier Products

- ▶ Barrier tape
- ▶ Window and door cut-outs
- ▶ Curtains
- ▶ Floor treatment
- ▶ Blankets
- ▶ Isolation

Engineered for low surface weight and high-performance noise control in a variety of applications.

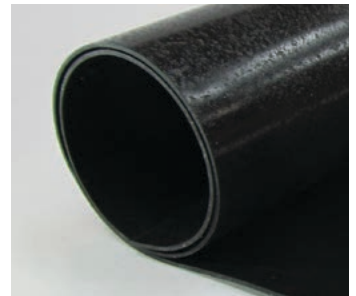
ISODAMP™ C-1002 Acoustic Barrier

- ▶ Widely used in the aerospace industry for 30+ years
- ▶ Reduces mechanically or acoustically induced vibrations
- ▶ Dissipates shock and impact energy at a very rapid rate
- ▶ Available in multiple thicknesses and weights
- ▶ Applications: panel damping, isolation and impact control



ISODAMP™ QL Acoustic Barrier

- ▶ Newest addition to the portfolio
- ▶ Similar weight and performance to C-1002
- ▶ Black color for enhanced close-out visibility
- ▶ High dimensional stability
- ▶ Compliant with FAA flammability standards



	C-1002	QL
Color	Blue	Black
PSA option	✓	✓
Cut to any shape	✓	✓
Pass flammability		
FAR 25.853(a) Appendix F Part I (a)(1)(ii) - 12 sec. vertical	✓	✓
FAR 25.856(a) Appendix F Part VI Radiant Panel		✓
Dimensionally stable		✓
Non-PVC		✓

CONSTRAINED LAYER DAMPING COMPOSITES

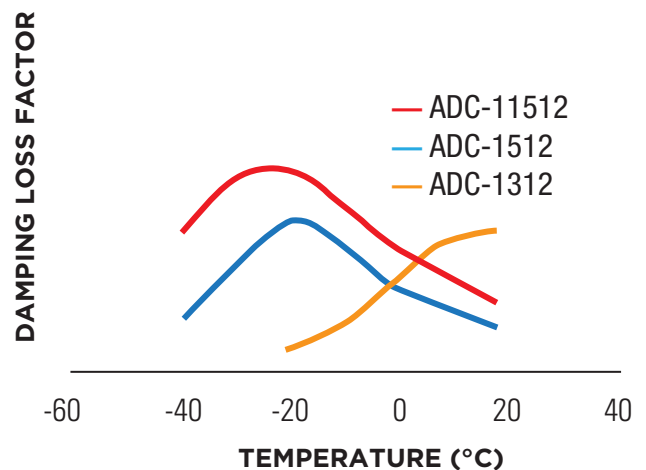
Applied directly to sources prone to vibration to help reduce or eliminate mechanical energy by converting vibration to heat.

E-A-R Damping Composites

- ▶ Light weight
- ▶ Peel and stick application
- ▶ Engineered for a variety of in-flight environments
- ▶ Approved on many OEM specifications



Typical Properties	ADC-11512	ADC-1512	ADC-1312
Optimal Temperature Performance Range, °C	Cold -40 to -5	Cold -30 to -5	Warm 10 to 30
Typical Applications	Fuselage	Fuselage	Interior panels
Areal Surface Weight, lb/ft²	0.48	0.35	0.32
Nominal Thickness, inches	0.13	0.11	0.11
Pass flammability FAR 25.853(a) Appendix F Part I (a) (1)(ii) - 12 sec. vertical	Pass	Pass	Pass
FAR 25.856(a) Appendix F Part VI Radiant Panel	Pass	Pass	Pass

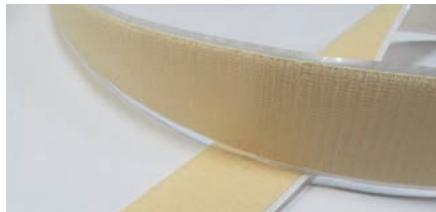


Supporting Material Portfolio

- ▶ Spikes and discs
- ▶ Tapes (LT hardware)
- ▶ CONFOR™ AC Foams
- ▶ Legacy damping materials
 - ADC-005 - ADC-124
 - ADC-006 - ADC-126

SUPPORTING MATERIALS

- ▶ Attachment materials designed to help meet cabin requirements and speed kit installation
- ▶ Slow recovery foams and legacy damping materials to support overall cabin comfort



For additional information on Aearo Technologies LLC aircraft products, please visit www.earaircraft.com

Technical Information

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