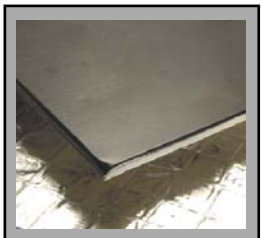
Technical Data Sheet
Modified 12/2007



VMAX APP TOOL

vibration damping

VMAX

Vibration Damping Material

VMAX vibration damping sheets are constructed of an advanced, non-curing, lightweight butylene rubber bonded to a thin, 4 mil layer of black anodized aluminum. Unlike extensional types of vibration damping materials, **VMAX** has been engineered to oppose vibration through compression or shearing of the aluminum layer (Constrained Layer Damper). **VMAX** vibration damping sheets are lightweight and require no special tools to install however the **VMAX** application tool is available to treat hard to reach areas. The **VMAX** damping sheet may be applied to sheetmetal, wood, fiberglass and plastic surfaces.

The installation of **VMAX** will assist in reducing automotive interior noise levels as well as improve performance from auto sound systems by limiting panel resonance. Commercial / residential applications include HVAC ducting, metal plenums, equipment racks and high end audio gear.

VMAX has demonstrated excellent adhesion to CRS, galvanized and galvanneal steel, ELPO and basecoat and clearcoat body panels. Outstanding adhesive performance allows **VMAX** to maintain placement position in the most demanding vertical and inverted applications, even at elevated paint bake temperatures. **VMAX** maintains its acoustic and adhesive properties after subjection to the various bake schedules and accelerated aging and weathering test conditions used in the automotive industry.

VMAX is a technologically advanced formulation that offers superior damping performance at a reduced weight over traditional mastic constrained layer and asphaltic extensional dampers. Damping performance is maintained from -10°C to 60°C providing the reduction of structure borne vibration over a broad temperature range.

Applications:

- ☐ Automotive body panels
- ☐ Marine: Hull and bulkhead
- ☐ Commercial / residential HVAC ducting and metal plenums
- ☐ High end audio gear and computer cases or housings

Benefits:

- ☐ Lightweight, high performance design
- ☐ Greatly reduces structural fatigue and associated failures
- ☐ Reduced installation time simply cut, peel and stick
- ☐ No unpleasant odors
- ☐ Alternative to OEM specified vibration damping materials

Material Specifications:

Thickness: .060”
Weight: .35 lbs. sq. ft.
Dimension: 12.5” x 30”
Color: Butyl (Black), Aluminum (Black)

Specific Gravity (ASTM D1475/Pycnometer): 1.03+/- 0.05
Volumetric Density: 8.60+/- 0.5 lbs/gal

Non-Volatile Content (24 hours @ 105°C): 99% minimum
Flame Resistance: FMVSS-302 passes with a rating of B<1.0
Flash Point: 248°C

Peel Adhesion (Approximately): 7 psi avg.
(90° peel @300mm/min)
Application Temperature: 15°C to 43° recommended
Corrosion Resistance: Resistant to water and salt
Shelf Life: 3 years if stored below 35°C

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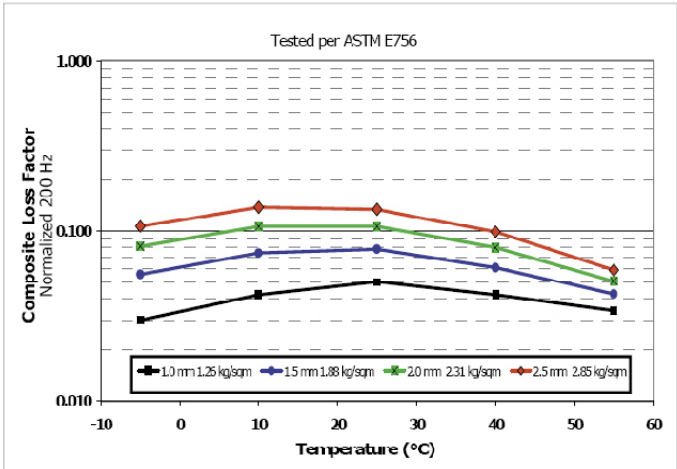

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vibration damping