



Technical Data Sheet

Acoustic Damping - RoadKill Expert Series

Description

Acoustic Damping Sheet: a non-curing, self adhesive, elastomeric material with a foil constrained laer that is used for the reduction of structure-borne vibration and air-borne noise.

Key Advantages

- Weight reduction over asphalt constrained layer dampers
- Excellent damping to weight properties
- Higher density than other butyl damping sheets
- Damping properties unaltered by elevated temperatures
- Non-toxic and odorless

Material Properties

Weight	.65/sq ft.
Thickness	.08in
Aluminum Thickness	6 mil (.006in)
Appearance:	Tacky mastic material with aluminum layer
Color	Black with silver layer
Specific Gravity	1.69
Peel Adhesion Strength	40.89 lb/in after 24 hours
Application Temperature	-60F to 300F
Federal Motor Vehicle Safety Standard	302 (MVSS 302) – Passed

Acoustic Performance

Acoustic damping sheets have been tested using ASTM method E756 @ 200Hz
Composite Loss Factor @ 200Hz

Temperature °Celsius (F)										
-10 (14)	-5 (23)	2 (43)	10 (50)	17 (61)	25 (77)	32 (89)	40 (104)	47 (117)	55 (131)	60 (140)
0.10	0.13	0.21	0.29	0.35	0.46	0.33	0.21	0.20	0.19	0.17

RoadKill Expert has demonstrated excellent adhesion to cold rolled steel (CRS), galvanized steel, e-coat and clear coats on body panels. Its outstanding adhesive performance allows it to maintain its position in the most demanding vertical and inverted applications, even at elevated temperatures.