

DAMPLIFIER PRO

SPEC SHEET

DESCRIPTION

Damplifier Pro sound deadening mat combines a vibration damping elastomeric butyl and an aluminum constraint layer to provide maximum reduction in structural noise. The damping material converts vibrational energy traveling through the substrate's structure to low level heat, preventing that energy from being transmitted and eventually released as sound. The black matte, annealed foil with ghosted Second Skin logos acts as constraining layer, substantially increasing the performance of the butyl compound.

FEATURES



#1 vibration damper - **up to 10x better** than low quality mats



Stops structural vibrations and noise



Guaranteed lifetime adhesion to clean, dry substrates



High effectiveness across a broad temperature range



No asphalt, tar, or cheap fillers - will not outgas, melt, or fall off



No VOCs per SCAQMD Rule 1168 testing

APPLICATIONS

- Car audio
- Vehicle restoration
- Van or bus conversion
- Generator boxes
- Sinks
- HVAC ducts
- Home appliances
- Computer equipment
- Steel furniture

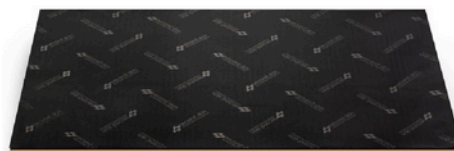


Proudly made in the U.S.A.

PRODUCT IMAGES



Graveyard Carz and Mark Worman chose Damplifier Pro for this Daytona restoration



Damplifier Pro's subtle ghosted logo won't turn your vehicle into a billboard



Steampunk VW Bus - West Coast Customs has been using Damplifier Pro since the Pimp My Ride days

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DATA

NVH TESTING

The acoustic loss factor, "n", measures how much vibrational energy is converted to heat. The "n" values vary depending on the dimensions of the test bar, the temperature, and frequency tested. Any value over 0.1 is considered "good" damping.

| | |
|-------|-----------|
| -10°C | n = 0.224 |
| -0°C | n = 0.374 |
| 10°C | n = 0.437 |
| 20°C | n = 0.224 |
| 30°C | n = 0.271 |
| 40°C | n = 0.155 |
| 50°C | n = 0.102 |
| 60°C | n = 0.071 |

Test bar is Bar B
from SAE J1637

TECHNICAL DATA TABLE

Color

Butyl – Black

Second Skin Foil – Black matte, ghosted logo

Adhesion

| | |
|--|------|
| Salt Spray Aging Test, ASTM B117 (250 hours) | Pass |
| Heat Aging Test, 88°C (250 hours) | Pass |
| Humidity Aging Test, 38°C/100RH (250 hours) | Pass |
| Environmental Cycle Aging Test (250 hours) | Pass |
| 400°F Sag Test (4 hours) | Pass |
| -40°F Cold Slam Test (4 hours, 6 slams) | Pass |

Flammability

| | |
|--|------|
| Flammability of Automotive Materials (FMVSS 302) | Pass |
|--|------|

VOCs

| | |
|------------------------------|------|
| Zero VOCs (SCAQMD Rule 1168) | Pass |
|------------------------------|------|

SPECS

SHEET SPECS

- Non-folded, die cut sheets
- Damplifier Pro – 12" x 20" – 0.080" (2mm)
- Damplifier Pro Half Sheets – 12" x 10" – 0.080" (2mm)

RECOMMENDED SUBSTRATES

Any metal (including e-coat, powder coat, and phosphate coated) and fiberglass

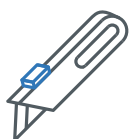
TEMPERATURE RANGE

- Optimal Performance Temperature: 14°F to 140°F
- Rated Temperature Range: -75°F to 450°F
- Recommended Application Temperature: 60°F to 90°F

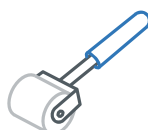
STORAGE AND SHELF LIFE

Store in original, unopened packaging at room temperature. The product should be installed within 1 year.

TOOLS TO INSTALL



Utility
Knife



Hand
Roller



Gloves



Denatured
Alcohol