

# 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

### APPLICATIONS

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

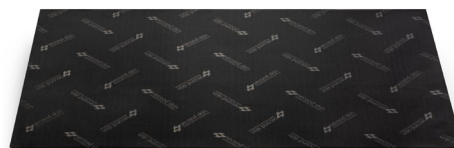


Proudly made in the U.S.A.

### 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

### 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)

#### 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

#### RECOMMENDED SUBSTRATES

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

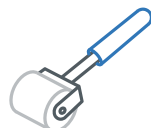
#### STORAGE AND SHELF LIFE

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