



# Noise & Vibration Control Material Solutions

## NoViDamp PROFESSIONAL CLD-08VL-04AL

### Description

NoViDamp Professional is a highly damped, elastomeric constrained layer vibration damping material. Put simply, it is a flexible, peel and stick sheet which can be applied to a variety of surfaces to reduce structure-borne vibration and noise. The damping material is covered with a 4 mil aluminum foil constraining layer which greatly improves performance and provides a paintable, finished surface.

### Superior Bonding

NoViDamp Professional is without question the stickiest damping sheet ever developed. It will bond to any surface. Ordinary adhesives can fail if the bonding surface is not perfectly clean, especially on vertical or inverted surfaces. The peel strength of NoViDamp Professional easily out performs conventional felted asphalt dampers and does so at a lower weight per unit area. The super adhesion and conformability of NoViDamp Professional results in maximum surface contact, critical for high performance damping.

### Applications

As a general rule, aluminum, fiberglass or plastic substrates up to 1/2" or steel to 1/4" are suitable for NoViDamp Professional. Listed below are common applications:

Vehicle Stereo Systems- Audio system performance is greatly improved by treating doors, floor pans, roofs, and all speaker enclosures

Vehicles- For road noise treat the floor pan, strut towers, firewall, doors, door panels, trunk, roof, and dash panels

Pipes and Tubing- Use a wrap for metal or plastic pipes used in plumbing drains or hydraulic systems

Boats- May be used for bulkheads, decks, tanks, engine room ventilation ducting, fiberglass exhaust silencers and tubing

Appliances- Treat sinks, dishwashers, disposals, and others

### Installation

NoViDamp Professional is easily cut to shape with scissors, knife, or may be die-cut. Make sure surface is dry, dust free, and relatively clean. Cut sheet to desired size (smaller is easier to work with). Then peel off the release liner and press into place starting at one edge. Use roller for maximum results. If air pockets appear, simply make a small cut at the edge of pocket and push air out with roller. Apply at or near room temperature for easiest installation.

### Appearance

Black Elastomeric core with a 4mm aluminum constraining layer and backed with a release liner.

### Sheet Size

12"x24"

### Odor

None

### Thickness

0.080" (2.0mm)

### Weight

0.60 lb/ft<sup>2</sup>

### Material Loss Factor @ Temperature

(ASTM E756 Testing @ 200Hz)

.07 @ 14° F (-10C)

.23 @ 32° F (0C)

.27 @ 50° F (10C)

.42 @ 68° F (20C)

.30 @ 86° F (30C)

.24 @ 104° F (40C)

.15 @ 122° F (50C)

.07 @ 140° F (60C)

### Temperature Range

-50° F to 300° F (-46C to 149C)

Intermittent to 400° (204C)

### Flame and Smoke

Meets FMVSS 302

### Peel Strength

49.5 lbs/inch (86.9N/cm) on cold steel

### Storage Information

175 Sheets maximum in a horizontal stack.

Do not store vertically

