



# VSC Damping Materials

## VSC Damping Pads

VSC Damping Pads are a specially plasticized, high tensile, high elongation, constrained viscoelastic damping pad. They consist of an energy-absorbing mastic integral with a constraining layer of .010" flexible aluminium. The combination of mastic material with the aluminium top layer provides maximum sound dampening.

Extension and compression of the mastic damping material converts vibratory energy into heat, thus reducing the noise level of the damped substrate. The aluminium top layer maximizes this effect by re-directing any of the escaping vibratory energy back into the mastic layer. Generally only 10 – 20% of a noise generating surface needs to be treated.



### Physical Properties

*Colour*  
- Light Grey

*Odour*  
- Mild (non-objectionable)

*Thickness*  
- Various (standard 1/6" (4.25mm))

*Consistency*  
- 100N 103 - 109mm  
- 300C 116 - 112mm

*Flash Point*  
- Above 400°F

*Density*  
- 13.5 lb./gal

*Service Temperature*  
- -20°F to +250°F

*Water Absorption*  
- Only .05% water pick-up.

*Weathering Resistance*  
- Atlas Weatherometer test for 1,000 hrs. Results show no crazing, cracking or loss of adhesion. No colour change nor hardening due to ozone attack.

*Paint Compatibility*  
- Can be painted over immediately without bleeding or other adverse effects.

*Staining*  
- No staining of adjacent surfaces

*Tack-Free Time*  
- Indefinite Tack

*Adhesion*  
- Built-in pressure sensitive adhesive will stick to most constructed surfaces such as aluminum, steel, glass, fibreboard, etc.

*Surface Preparation*  
- May be applied to surface free of dirt, grease, scale and moisture. Generally no primer is necessary.

*Packaging*  
- Furnished in 3" x 10" flat packs.