



## Visco-Elastic Damping Tape

Vibration damping tapes particularly useful in reducing the noise levels produced by resonant vibrations in light gauge metal panels.

These tapes / sheets are self-adhesive and provide a simple method of achieving dramatic control of panel vibration and its associated noise. They are easy to cut and can be used on virtually any smooth surfaced material. The material is so flexible that it can easily be moulded around awkward surface shapes. Unlike many other damping materials on the market this product is not effected by cold temperatures so does not crack and break.



These sheets are made from a unique, high density, highly visco-elastic synthetic material whose efficiency is derived from the use of a carefully formulated polymer with additives. It is ideal in all situations which require maximum effectiveness for minimum weight and thickness.

As a general rule to maximise efficient vibration damping:-

(1). Damping materials should be applied to the surface section where the vibrational energy causes the most bending or flexing. These are usually the thinnest sections or the central areas of larger sheets.

(2). The stiffness and mass of the damping material should be comparable to that of the vibrating material so generally single layer damping materials need to be 2-3 times the thickness of the vibrating surface to which they are applied. However this material will produce dramatic results when applied to metalwork even up to 5mm thick !

These visco-elastic rolls are also available in larger roll form 6m x 1m.

### APPLICATION

The surface to which the sheet is to be applied must be clean and dry. Metal surfaces should be painted with a suitable anti-rust paint prior to treatment.

### OIL & CHEMICAL RESISTANCE

Diesel, oil, petrol and anti-rust agents have very little effect. However, the self adhesive glue is sensitive to both petrol and diesel oil so the sheets should be protected against large quantities of these agents

### General Physical Data

<b>Color</b>	Olive
<b>Size</b>	6m x 50mm or 6m x 70mm
<b>Density</b>	2000kg/m <sup>3</sup>
<b>Weight</b>	5kg/m <sup>2</sup>
<b>Nom. Thickness</b>	2.6mm
<b>Flammability</b>	Self Extinguishing
<b>Pliability</b>	Does not break when bent at -20°C

All information contained in these details is given in good faith but without warranty.  
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