

Lamaphon DS Series Damping Sheet

A high performance visco-elastic damping sheet that is easy to use, non-toxic and free from hazardous solvents.

The product can be readily cut to final size by knife or die cutting. DS Series damping sheets are based on a high efficiency polymer and additive system.

The product is designed to dramatically reduce noise produced by resonant vibrations in sheet metal structures and fabrications usually associated with automotive, general industry and business machine applications.

The product is particularly suited to applications requiring a high performance to low weight ratio.

Installation

For ease of application the sheets are normally supplied with a self-adhesive backing (DS2000 series). Alternatively a plain form (DS1000 series) may be used with a separate adhesive where optimum bonding to non planer surfaces is required.

Performance

The damping efficiency of DS sheet material depends upon the ratio of weight of damping sheet to the substrate and on the operating temperature.

Table 1: Specification

Core material	Lamaphon DS Series Damping Sheet	
Type	Visco Elastic Damping Material	
Colour	Buff	
Minimum Superficial Weight	DS1010, DS2010	1.25 kg / m ²
	DS1020, DS2020	2.00 kg / m ²
Nominal Thickness	DS1010, DS2010	0.6mm
	DS1020, DS2020	1.0mm
Flammability	BS4735:71 FMVSS302	Self Extinguishing Burn rate less than 100mm/min.
Standard Sheet size	1250mm x 1000mm	

Our technical sales department would be pleased to advise on anticipated performance when used in conjunction with other materials.