

category	soundproofing
description	banda vibration damping tape
part code	A230 and A240



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Designs**



A230 AND A240 VIBRATION DAMPING TAPES 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.

This product is 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 surface.

The product 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 affected by cold temperatures to -20°C so will not crack or break in normal conditions.

Applications

- Ideal for sticking to metal stud framework to add a substantial level of damping
- Damping of mezzanine floors and support pillars
- Damping of hoppers, chutes, conveyors, etc.
- Damping of car doors and boots, improving hi-fi performance
- Damping of duct work
- Highly effective acoustic damping of virtually any metalwork less than 5mm thick

Installation

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

As a general rule, to maximise efficient vibration damping:

- 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
- the stiffness and mass of the damping material should be comparable to that of the vibrating material, so basic single layer damping materials need to be 2–3 times the thickness of the vibrating surface to which they are applied; **this product**, however, will give dramatic results when used on metalwork even up to 5mm thick.

Technical Specification

Product	A230 and A240
Description	Vibration Damping Tape
Colour	Olive
Size	6m x 50mm (A230) 6m x 70mm (A240)
Weight	5kg/m ²
Nominal thickness	2.6mm
Density	2000kg/m ³
Flammability	Self-extinguishing
Pliability	Does not break when bent at -20°C

This product is also available in larger roll form 6m x 1m

Oil and Chemical Resistance

Diesel, oil, petrol and anti-rust agents have very little effect on the tape. 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.

