

Material Data Sheet

Description / Specification:

VibroMet vibration / acoustic Damping Laminate is an innovative metal laminate where the base metal and the vibration damping layer are bonded together to provide superior damping effect. The vibration damping layer has been designed to be a safe, non-staining and effective direct replacement to bitumen materials. This viscoelastic material is of a precisely known composition and is designed for vibration and noise damping applications. The performance over temperature is superior to bitumen and it is of the similar density.

The damping layer is laminated with a range of metal substrates including Stainless steel, Aluminium and Aluzinc, on an in-house manufacturing process to form Vibromet Laminate. The damping layer is available in a range of thicknesses and densities based on the level of vibration / Sound damping required for the application.

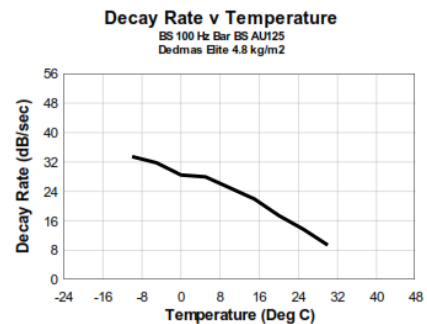
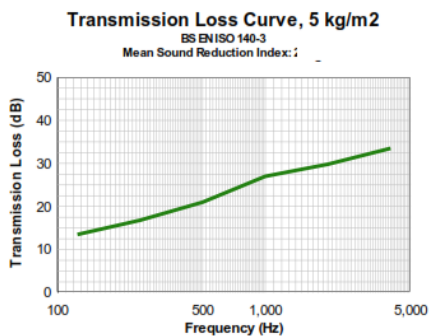
Most popular base metals are Stainless steel and Aluminium, other metals like Aluzinc and Aluminised steel can also be supplied if requested.

Along with exceptional vibration damping properties, Vibromet's quicker application helps save valuable time on-site. Other benefits of using Vibromet:

- Prevents moisture ingress
- Improved seal at overlaps
- Minimised slippage in vertical application
- Corrosion resistance

Physical Properties	Value
Superficial Weight	5 Kg/m ² (1.0 lb/ft ²) 7.5 kg/m ² (1.5 lb/ft ²) 10 kg/m ² (2 lb/ft ²)
Specific Gravity	1.8 g/cm ³
Thickness	2.8 mm
Tensile Strength	6 MPa
Elongation at break	30 %

Vibration and Acoustic Damping Properties:



Availability:

VibroMet is available as 1000 / 914 mm, 1-2 ton coils as standard. Alternatively, other size coils and widths can be available if requested. It can also be available with a self adhesive peel-off backing for ease in direct application on fabricated sections.

