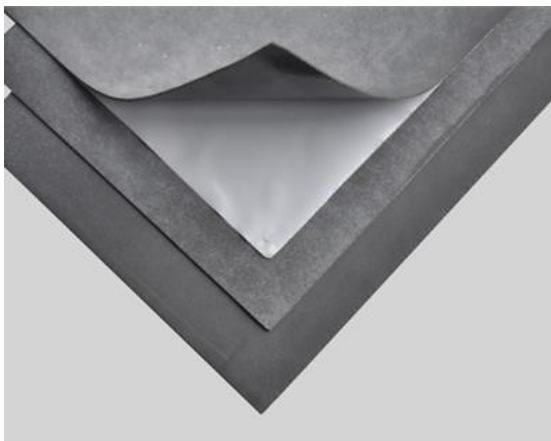


PVA Damping Sheet

PVA based Damping Sheets are designed for use in applications where a high level of vibration damping is required to reduce noise radiating from lightweight sheet metal. It is also suitable for use in clean room environments. The PVA sheet is manufactured polyvinyl acetate which creates a lightweight, flexible, visco-elastic polymer material.



Key Features and Benefits

- Excellent vibration damping properties
- Suitable for use in clean rooms
- Fire resistant
- Supplied with adhesive backing
- Can be cut to bespoke shapes and sizes

PVA Damping Sheet

Applications

- Vehicle panels
- Preparation tables
- Mechanical Services Equipment
- Industrial Equipment
- Railway and automotive applications

Colour and Finish

Grey

Operating Temperature

Suitable for use on substrates operating at continuous temperatures between -35°C and 100°C. It will withstand intermittent temperatures up to 160°C

Damping sheets should be applied when the ambient temperature is between 18°C and 25°C.

Fire Performance

PVA based Damping Sheets meet the requirements of FMVSS 302/ ISO 3795.

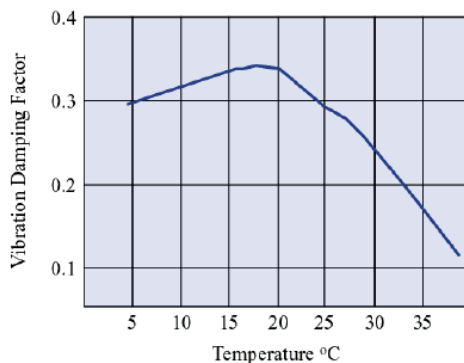
Storage

PVA based Damping Sheets should be used within 6 months of purchase.

Dimensions and Weight

Product	Thickness mm	Weight Kg/m ²	Colour	Sheet Size mm
PVA based Damping Sheet	1.4	2.6	Grey	1600 x 1000

Acoustic Performance



The vibration damping performance of a material can be defined by its 'damping factor'.

The damping factor is the ratio of the materials damping to its critical damping. Critical damping is the smallest value for which a sample does not vibrate when deflected and released.

The vibration damping factor is a temperature dependent property, for PVA based Damping Sheets the optimum damping is achieved between 15°C and 20°C

The information contained in this data sheet is believed to be correct at the date of publication. The information is based on our general experience and is given in good faith but because of the many factors outside our knowledge and control which may affect the product no warranty is given or is to be implied with respect to such information. H&H Acoustic Technologies Ltd reserves the right to alter or amend the specification of their products without notice as their policy is one of constant improvement.

Technical Advice

Highly qualified building and acoustic consultants are available to offer assistance and advice to clients, architects and contractors on all aspects of noise control to ensure design specifications and acoustic performance requirements are achieved. They can also undertake noise surveys and provide details of anticipated reverberation times pre and post installation.

Application and Fixing

To obtain optimum bonding strength from the self-adhesive backing follow these instructions:

1. Allow product to stabilize at room temperature prior to use.
2. Apply in the horizontal or vertical plane. Where there is a requirement for the damping sheet to be applied to the underside of a substrate, the substrate should be turned upside down if possible. The damping sheet can then be applied to the underside and left until the adhesive has fully cured before turning the substrate back to its correct position. If re-orientation of the substrate is not possible, the damping sheet can be applied from the underside providing it is supported against the substrate until adhesive cures. A form of permanent mechanical fixing is recommended.
3. Clean and dry the substrate so that it is free from oil, rust, etc. For applications onto timber substrates, the surfaces should be prepared using a primary coat of A3038 Neoprene Adhesive.
4. Peel off backing and apply a constant forward and downward pressure to the surface of the damping sheet to ensure it is securely fixed to the substrate.
5. Care must be taken to avoid forming air pockets between substrate and self-adhesive backing