

## Damping Mat

– PVA

DMP2 Damping Mat is a lightweight PVA-based, visco-elastic polymer. Its sole design is for use in acoustic applications where a high level of vibration damping is required and comes with a self-adhesive backing for ease of application.

DMP2 is available in a standard sheet size of 1600 x 1000mm and/or can be die-cut to shape.



## Applications

DMP2 Damping Mat is used extensively to reduce vibration in sheet metal and other resonant surfaces, such as vehicle body parts, machine panels, steel sinks and tables etc.

DMP2 is particularly suitable for clean-room environments.

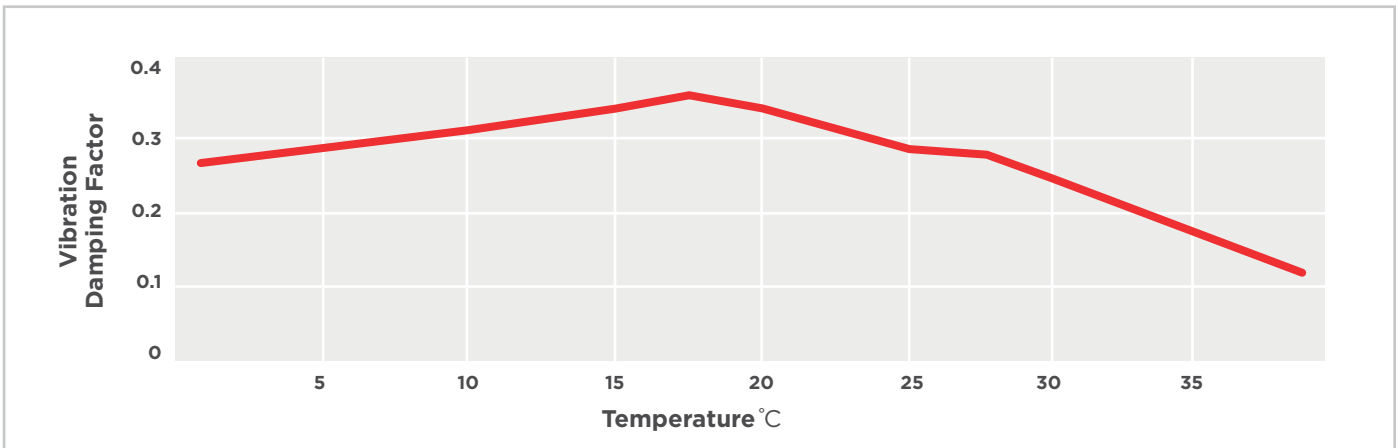
## Acoustic Performance

### VIBRATION DAMPING FACTOR

The vibration damping performance of a material can be defined by its 'damping factor'. This is the ratio of the material's damping to its critical damping.

Critical damping is the smallest value for which a sample does not vibrate when deflected and released. It is also a temperature dependent property.

For PVA Based Damping Sheet, optimum damping is achieved between 15°C and 20°C.



## Storage and Handling

DMP2 sheets should be stored at temperatures between 18°C and 25°C.

Before use they should be allowed to stabilise at room temperature, ideally above 18°C. The adhesion will be increased if the sheet is preheated to 30°C.

The substrate should be clean, dry and free of oil or other contaminants. If necessary clean and dry the substrate with methylated spirit or similar.

Peel off the release paper, apply the mat, ideally on the horizontal plane, using forward and downward pressure.