



# Damping Mats

**DM3, DM5, DM5A & DM10**

## Description

Damping Mats are manufactured from bitumen with added mineral fillers and synthetic rubber, forming a highly viscoelastic product. They come with a self-adhesive backing and are available in four standard grades, the 5kg/m<sup>2</sup> also being available with a Class 1 foil facing.

## Applications

Barrier Mats are used to reduce vibration in sheet metal and other resonant surfaces, such as vehicle body parts, machine panels, steel sinks and tables e.t.c. They also improve sound insulation by adding mass to the structure.

## Specification

Product	Thickness	Density	Temp Range	Flammability	Sheet size	Colour
DM3	1.5mm	3kg/m <sup>2</sup>	-10° to +90°	FMVSS 302	1.5 x 1.0mt	Black
DM5	2.5mm	5kg/m <sup>2</sup>	-10° to +90°	FMVSS 302	1.5 x 1.0mt	Black
DM5A	2.5mm	5kg/m <sup>2</sup>	-10° to +90°	Class 1 BS 476:Part 7	1.5 x 1.0mt	Silver
DM10	5mm	10kg/m <sup>2</sup>	-10° to +90°	FMVSS 302	1.5 x 1.0mt	Black

## Acoustic Performance

0.8mm Steel	Sound Transmission Loss					
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Untreated	8	14	20	26	32	39
Treated with DM5	19	28	28	30	38	40
Treated with DM10	27	32	32	33	41	43

## Storage and Handling

BDM sheets should be stored at temperatures between 10°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 contaminates. 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.

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