

TECHNICAL DATA SHEET

Product: IsoVibra 50
Issue Number: 001
Issue Date: March 2026

Product Information

Description

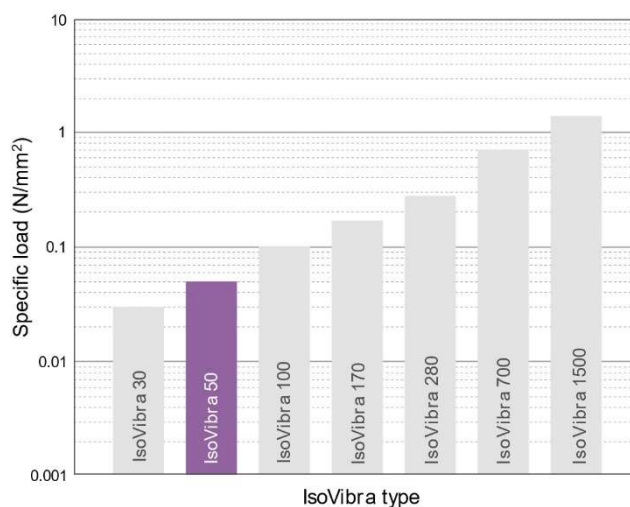
IsoVibra 50 is an elastic layer with vibration dampening and impact sound insulating properties for use in structural and civil engineering applications.

Colour: Black
Surface: Granular.

Application

The IsoVibra range of structural and vibration products can be used to target specific vibration problems within a building. The range includes standalone products that can be used for everyday applications such as isolating partition walls along with products that can be used in high performance bespoke multi-layer solutions.

Load range	Load peak
up to 0.05 (N/mm ²)	up to 0.15 (N/mm ²)



Appearance & Packaging

Supplied in rolls or sheets in stock sizes (*dependant on thickness*):

Thickness (S1 / S2):

	S2	17/8mm (± 1.0mm)
	S1	25/7mm (± 1.5mm)

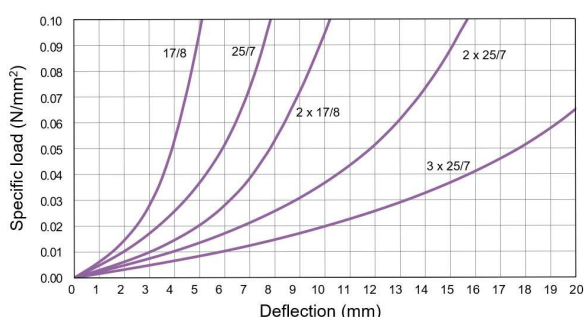
Roll Width: 1.25m (± 1.5%)
Roll Length: 17/8mm thickness = 8m (± 1.5%)
25/7mm thickness = 4m (± 1.5%)

If you require any further technical information please contact our Technical Department on 01582 544255.

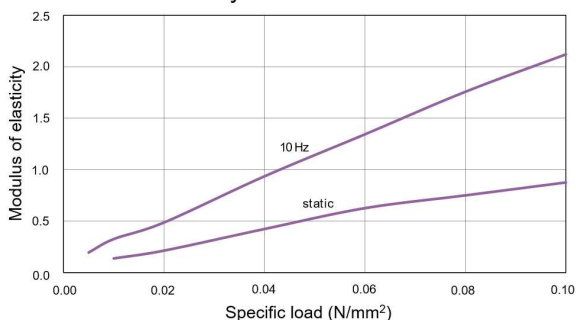
Physical Properties

Properties	Value	Test Method	Comment
Tensile Strength	>0.2 N/mm ²	ISO 1798	
Elongation at Break	>35%	ISO 1798	
Max. Pressure	0.05 N/mm ²	EN 826	
Bedding Modulus	0.015 - 0.14 N/mm ³	DIN 53513	depending on configuration, load and frequency
Natural Frequency	9 - 25 Hz		depending on configuration, load and frequency
Service Temp. Range	-30 to +80 C		
Flammability Rating	class E	EN 13501-1	
Density	500 - 600Kg/m ³		

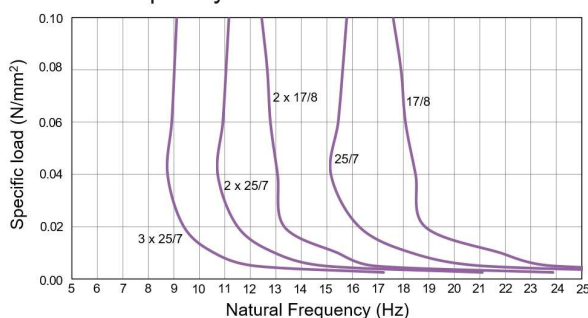
Load deflection curve



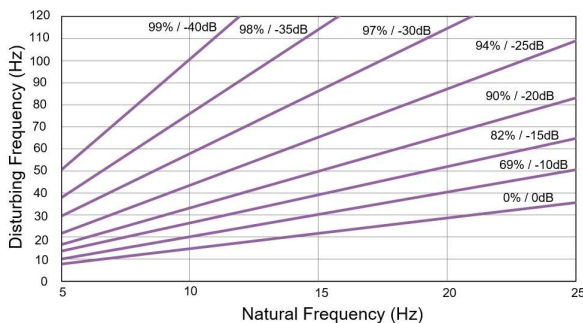
Modulus of elasticity



Natural frequency



Vibration isolation



Environmental Data

IsoVibra 50 is manufactured from recycled high-grade rubber.

No blowing agents, CFCs or HCFCs are used during the manufacturing process.

Global Warming Potential : 0

Ozone Depletion Potential : 0

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