



Vibration Damping Compound

Vibration Damping compound is a water based co-polymer emulsion, with mineral fillers dispersed in a low permeable, polymeric binder. It is solvent free, easy to apply and can be used in most interior and semi-exposed areas. It is designed to reduce noise by damping resonant vibration caused by continuous or impulsive excitation of the substrate to which it is applied. Vibration Damping Compound can be sprayed onto smooth and irregular surfaces. Once applied it has a monolithic spray texture finish.



Key Features and Benefits

- Solvent free
- Excellent damping properties
- Easy application

Vibration Damping Compound

Applications

- HVAC Systems
- Railway application
- Applications manufactured from steel, aluminium and other non-ferrous metals
- Industrial Equipment

Colour and Finish

Off-White

Operating Temperature

Vibration Damping Compound is suitable for use on substrates when the air and surface temperature is rising between 2°C and 45°C and when the air and surface temperature is at least 2°C above dewpoint.

Fire Performance

Vibration Damping Compound complies with the Class 'O' requirements of the Building Regulations, when tested to BS476: Part 6: 1981 and Part 7: 1987.

It has been tested to BS 6853 UK railway standards and has an M1 Classification in accordance with French regulation Arrete 28.09.1991

Vibration Damping Compound does not have a 'Flash Point' and has very low smoke and toxicity levels.

Dimensions and Weight

Wet coat thickness mm	Dry coat thickness mm	Weight per Litre kg	Drum Size L	Coverage (1L) m ²
3 to 6	1.5 to 1.6	20	20	0.5 at 3mm wet thickness

Acoustic Performance

Substrate	Dry Thickness of Damping Coat mm	Vibration Decay Rate dB/sec
1mm Steel	Uncoated steel	3
	1.5	115
	3	224
3mm Aluminium	Uncoated aluminium	11
	1.5	104
	3	555

* Vibration Damping between 70 and 80 Hz

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.

Chemical Resistance

Mildly alkaline pH between 7 and 9

Application and Storage

Vibration Damping Compound should be kept in its airtight container until ready for use. All containers are marked with a batch number, lower numbers should be used first. Protect from frost and excessive heat. Avoid exposure to radiant sunlight. Store at temperatures between 4°C and 45°C. Use within 6 months.

Please contact H&H Acoustic Technologies Ltd for Application instructions and safety precautions.

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