



MATERIAL DESCRIPTION & PROPERTIES

SD87 is an engineered cork and rubber composite material used in damping vibrations in sheet metal surfaces. It reduces the noise from the panel which can be caused by vibration traveling along a structural path called structure borne noise or by air borne noise exposed to the opposite side of the panel. This can represent considerable audible noise from the panel at resonance without this damping present.

Will be supplied with a self-adhesive backing for easier installation.

Both the material and the standard self adhesive are suitable for working in temperatures of -30°C to 100°C (-22°F to 212°F), with good metal adhesion properties.

Applications include:

- Vehicle body panels
- Ductwork, Heating, Ventilation and Air-Conditioning
- Sheet Metal Chutes and Hoppers
- Appliances Cabinets
- Metal Office Furniture
- Sinks and Bathtubs

FEATURES

- Maximum damping efficiency over a broad range of temperatures and frequencies
- Non-hazardous
- Meets FMVSS302 fire resistance
- Wear-resistant
- Low water absorption
- Good dimensional stability
- Non brittle, long shelf-life
- Peel and Stick
- No mould growth

Standard Adhesive is Acrylic base in non-woven carrier,

Adhesion to rigid surfaces (steel), 15N/25mm, tested according with AFERA 4001.

Surface Density (kg/m ²) at 1,5mm ¹	1,5
Tensile Strength (MPa) ²	1,2
Thermal Resistivity (m ² K/W) ³	8,3

⁽¹⁾ ASTM F1315

⁽²⁾ ASTM F152

⁽³⁾ ISO 1856

SD87 is free of:

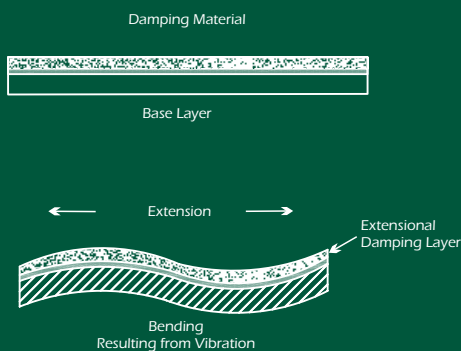
- PVC (Poly Vinyl Chloride)
- Heavy Metals (Pb, Cd, Hg and Cr (VI))
- Formaldehyde and

Comply with RoHS and ELV 2000/53/EC European Directives



Free-layer damping

The vibrational energy is dissipated due to the extensional and compression of the damping material due to the vibrational stress of the base layer.



Fire Classification

Railway and Bus Application

Fire Propagation:

M2 at 3mm thickness, tested according with NF P 90-503 and classified as per NF P 92-507

Class 1 at 3mm thickness, according with BS 476 Part 7, Method for Classification of the Surface Spread of Flame of Products

Pass, according with EN ISO 11925-2 (building products)

Smoke density+toxicity:

F3 at 3 mm, according with NFF 16 101



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