DECIDAMP® V

vibration damping pad

Decidamp V is an adhesive-backed vibration damping pad. Made with an easy peel and stick solution, Decidamp V reduces structure borne noise by absorbing the vibration within light gauge steel, aluminium and FRP structures.

It has been designed to be economic in use and flexible enough to be conform to curved surfaces. It finds popular use in light-gauge panel components in automotive vehicles, garbage chutes, metal air-conditioning ducts, and compressor housings.

It can control the ringing noise from components under their operating cycle by dissipating the vibration energy within the structure. This inhibits build-up of resonant vibrations, considerably reducing radiated noise.

Decidamp V is easy to cut and install, providing a high-tack peel and stick adhesive product solution for any application.

Decidamp V has a foil-facing finish that is easy to clean. The heat-reflective surface ensures optimal temperature regulation while providing a visual appeal.

VOC STATEMENT

Decidamp® V does not contain any Volatile Organic Compounds (VOC) when evaluated according to definitions as applied under the Australia National Pollutant Inventory, The Council of the European Union, Council Directive 1999/13/EC or the USA EPA regulation 40 CFR 51.100(s).

SPECIFICATIONS

Colour	Silver (Aluminium facing)
Available	Sheet size: 1350 x 2400 mm Other sizes available with MOQ, up to 3m lengths
	Weight (kg/m2): 4, 8, 10

applications

- Automotive floors, firewalls, doors, ceiling and boot panels
- Generators, compressor covers and machine housing guards
- Metal air-conditioning ducts and compressor housings
- Laundry and garbage chutes, hoppers, lids and bins
- White goods and under sink bowls
- Rail flooring systems

features

- Ideal for lightweight panels and steel substrates of less than 2 mm thickness
- No ozone-depleting substances are generated during manufacture
- Free from lead, odour-producing oils and bitumen
- Easy to cut and simple to install with high-tack peel and stick adhesive backing
- Low flammability
- Chemical resistant

PRODUCT SPECIFICATIONS

Grade/Name	Thickness (mm)	Nominal weight (kg/m²)	Sheet size (mm)	Peel Strength (N/25mm)	Operating temperature range
Decidamp V4A	2	4	1350 x 2400	25	-10°C to +100°C (Continuous) -10°C to +120°C (Intermittent) 14°F to +212°F (Continuous) 14°F to +248°F (Intermittent)
Decidamp V8A	4	8			
Decidamp V10A	5	10			
Decidamp NL V4A	2	4			
Decidamp NL V8A	4	8			

Tolerances: Length/Width: -0/+50 mm; Thickness: ±0.5 mm; Weight: ±10%

PRODUCT CODE NOMENCLATURE

Decidamp NL V 4 A

- NL — Indicates fire resistant grade
- V — Foil facing
- 4 — Weight (kg/m²)
- A — Finish: A- adhesive one side; DS - adhesive both sides

ACOUSTIC PERFORMANCE

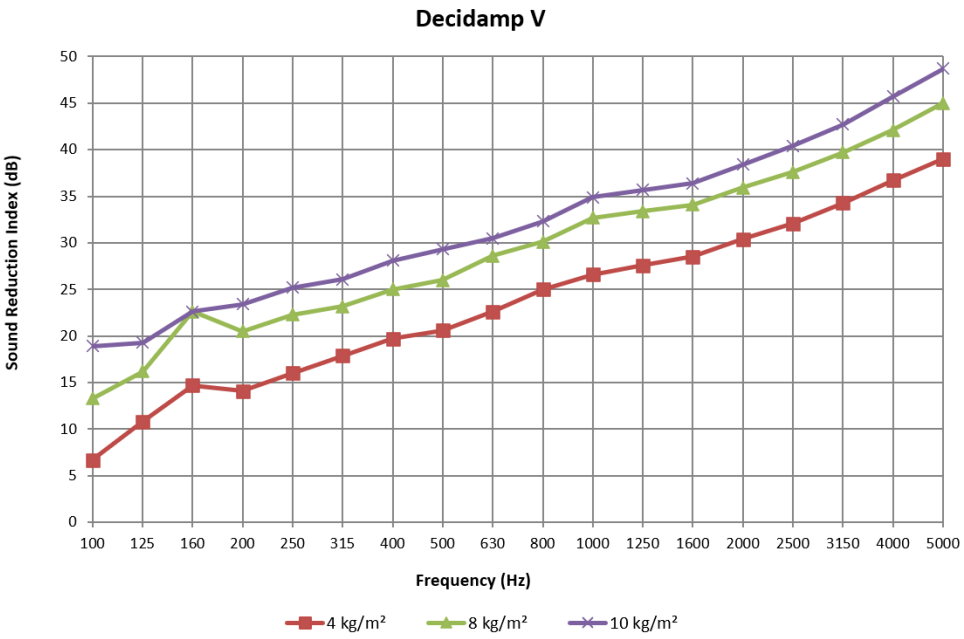
Product	Substrate	Increase in decay rate per second (%)
Decidamp V4	1 mm steel	61%

Tested based on ISO 7626-5
Report Number 27313AR1

Grade / Name	Test method	Property	Report No.	Results
Decidamp NL V, Barrier section Results based on Quadzero NL	EN 45545-2 (ISO 5658-2)	Spread of flame	0106-23-F	R1, R7 HL3 Complies for 2 kg/m² to 8 kg/m² products
	EN 45545-2 (ISO 5660-1: 50 kWm-2)	Heat release rate by cone calorimeter		
	EN 45545-2 (ISO 5659-2: 50 kWm-2)	Smoke generation (optical density)		
	EN 45545 -2 (EN 17084 (1): 50 kWm-2)	Gas Toxicity		

ACOUSTIC PERFORMANCE

Frequency (Hz)	4 kg/m²	8 kg/m²	10 kg/m²
100	6.7	13.3	18.9
125	10.8	16.2	19.3
160	14.7	22.6	22.6
200	14.1	20.5	23.4
250	16.0	22.3	25.2
315	17.9	23.2	26.1
400	19.7	25.0	28.1
500	20.6	26.0	29.3
630	22.6	28.6	30.5
800	25.0	30.1	32.3
1000	26.6	32.7	34.9
1250	27.6	33.4	35.7
1600	28.5	34.1	36.4
2000	30.4	35.9	38.4
2500	32.1	37.6	40.4
3150	34.3	39.7	42.7
4000	36.7	42.1	45.7
5000	39.0	45.0	48.7
Rw	25	31	34
STC	26	31	34



Results for Wavebar

Tested to ISO 15186-1:2003 & 10140-4:2010 at University of Canterbury, New Zealand
Report Number: 262c, 264c, 265a

For further information and contact details, please visit our website
pyroteknc.com