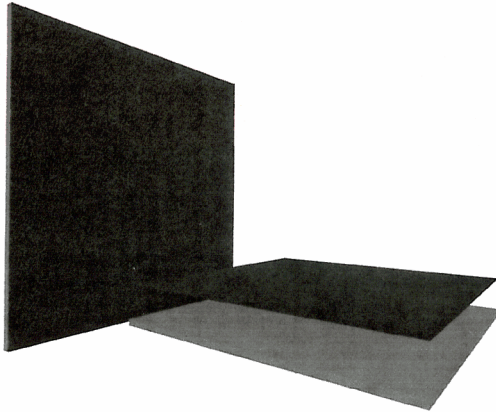




Decoupled Flexible Noise Barrier Floormat



Soundmat™ PE is a low profile, high mass noise barrier, bonded to a flexible closed cell foam decoupling layer. The noise barrier is faced with a highly abrasion resistant vinyl wear layer.

Based on **Wavebar®** technology, this material is an economical, and acoustically effective, material for use as a floormat to reduce sound transmission. It does not require further protective layers.

When applied over the floor, or firewall, of vehicles **Soundmat** provides a significant increase in transmission loss.

Soundmat can also be laminated to walls and partitions to increase transmission loss.

Soundmat offers a valuable increase in transmission loss in the critical frequency region for stiff panels and partitions, where coincidence, and resonance effects are a concern

The foam is hydrolysis resistant. It is especially suited for use in wet and humid areas such as in marine or tropical environments and in mobile equipment.

The closed cell nature of the foam eliminates ingress of water, and therefore reduces the potential for corrosion.

Soundmat can be fabricated by sewing or gluing and is available in pre-cut sizes and shapes.

FEATURES

- Available in two weights 4 and 8kg/m². Other weights available on request.
- Highly wear resistant vinyl layer
- Based on **Wavebar®** technology
- Foam backing available in a range of thickness
- Hydrolysis resistant closed cell foam decoupling layer
- Can be moulded to shape
- Ignition retardant
- Easy to install, can be cut with a knife
- Chemically resistant to oils, alkalis and acids
- Australian designed and made

APPLICATIONS

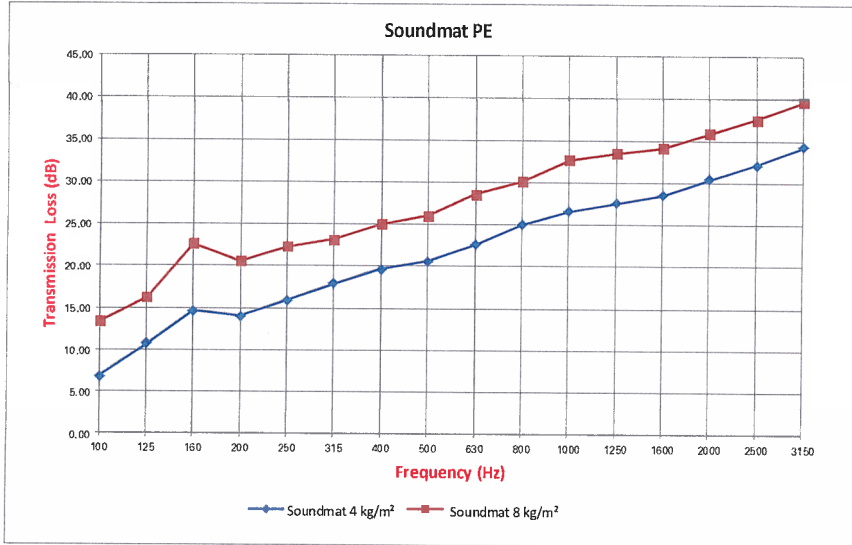
- Floormats and Firewall covers in -
 - Trucks
 - Buses
 - Boats
 - Cars
 - Construction and mining machinery
- Marine Engine curtains
- Vibrating surface cover in -
 - Hydraulic tanks
 - Plastic granulators
 - Small generator set enclosures

BENEFITS

- Reduces sound transmission
- Resists abrasion
- Long service life
- Attractive finish
- Maximises Rw rating by enhancing transmission loss at panel coincidence.
- Low installation cost
- Incorporated thermal insulation in the closed cell foam
- Versatility in installation method

Refer to our website www.pyroteknc.com to check you have the latest information page

ACOUSTIC PROPERTIES



Frequency (Hz)	Soundmat 4 kg/m²	Soundmat 8 kg/m²
100	6.80	13.30
125	10.76	16.19
160	14.66	22.55
200	14.05	20.51
250	15.95	22.29
315	17.93	23.16
400	19.66	25.00
500	20.61	25.99
630	22.55	28.58
800	24.99	30.09
1000	26.61	32.66
1250	27.58	33.43
1600	28.50	34.09
2000	30.41	35.86
2500	32.11	37.56
3150	34.26	39.74
4000	36.67	42.06
5000	39.00	45.00
Rw	25	31
STC	26	31

PRODUCT SPECIFICATIONS

PRODUCT NAME	TOTAL THICKNESS (mm)	ROLL WIDTH (mm)	ROLL LENGTH (lm)	ROLL WEIGHT (Kg)	ABRASION RESISTANCE AS 1441.12	PUNCTURE RESISTANCE ASTM D751-00	OPERATING TEMPERATURE RANGE (°C)
Soundmat 4005	7	1350*	10	28	Unaffected (7-533204MV)	195 N (7-533204MV)	-40 to 100 (Continuous) -40 to 120 (Intermittent)
Soundmat 8005	9		5	28			

Tolerances: Length: -0/+50mm; Width: -0/+5mm; Thickness: +/- 2mm; Weight: +/- 5%

*Supplied untrimmed - means some surface coverings such as foils, film or fabric may overhang the ordered useable width

FLAMMABILITY PROPERTIES

TEST METHOD	INDEX	RESULTS	DESCRIPTION
FMVSS-302	Burn Rate - mm/min	Self Extinguishing	FMVSS-302 specifies burn resistance requirements of materials.
ISO 3795-1989	Burn Rate - mm/min	Complies (7-498959-CN)	Determination of burn rate - Road vehicles, tractors and machinery.

CHEMICAL RESISTANCE (Facing)

MATERIAL	ACETONE	MEK	PETROL	DIESEL
PVC	Swells*	Swells*	Good	Good

*Swells and then returns to normal on drying.

Caveats: Specifications are subject to change without notice. The data in this document are typical of average values based on tests by independent laboratories or by the manufacturer and are indicative only. Materials must be tested under intended service conditions to determine their suitability for purpose. The conclusions drawn from acoustic test results are as interpreted by qualified independent testing authorities. Nothing here releases the purchaser/user from responsibility to determine the suitability of the product for their project needs. Always seek the opinion of your acoustic or mechanical engineer on data presented by the manufacturer. Due to the wide variety of individual projects, Pyrotek NC is not responsible for differing outcomes from using their products. Pyrotek disclaims any liability for damages or consequential loss as a result of reliance solely on the information presented. No warranty is made that the use of this information or of the products, processes or equipment to which this Information Page refers will not infringe any third party's patents or rights. DISCLAIMER: This document is covered by Pyrotek standard Disclaimer, Warranty and © Copyright clauses. See www.pyroteknc.com/disclaimer.

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