

Advantages

- Easy and quick to apply.
- Excellent acoustic performance.
- Applied as a single dry treatment.
- Excellent fire resistance & temperature stability.
- Low thermal conductivity.
- Low toxicity.
- Prevents oil mist absorption.

Applications

Wilhams WIL-LAG Marine is a highly efficient acoustic treatment for marine noise suppression, with low toxicity, low flammability and low smoke emission. It is ideal for engine rooms, accommodation areas, bulkheads and under decking.

Description

Wilhams WIL-LAG Marine is available in a range of formats, consisting of a four or five part laminate, incorporating two or three spaced layers, a heavy mass layer and an outer vapour barrier. The composites meet Class 'O' requirements of the UK Building Regulations.

Technical Information

Wilhams WIL-LAG Marine conforms to the following specifications:

Acoustic spacer layers

- Foam density – 108 kg/m³
- Foam thicknesses – 6, 12 and 25mm

Acoustic grade lead sheet barrier

- Surface weight – 5 kg/m² or 10kg/m²

Composite

- Operating temperature – -30 to 80°C
- Fire Resistance – BS 476 part 6 & 7 Class 'O'
- Oxygen index – 41
- Smoke circulation (BS 5111) – 55%
- Chemical resistance – fuels, oils, solvents & water
- Wicking – None
- Dripping – None

Physical Information

Dimensions

Standard sheet sizes: 1.2m x 1.0m or 2.0m x 1.2m
Other sizes are available upon request.

Grades

Grade	Format	Barrier Mass	Thickness
Marine 5	P12.L5.P6	5 kg/m ²	19 mm
Marine 5	P25.L5.P6	5 kg/m ²	32 mm
Marine 10	P12.L10.P6	10 kg/m ²	19 mm
Marine 10	P25.L10.P6	10 kg/m ²	32 mm



Acoustic Performance

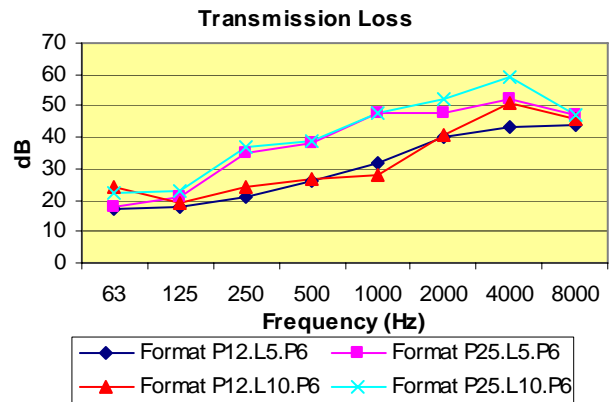
Wilhams WIL-LAG Marine has the following acoustic performance.

Transmission Loss dB (BS2750 : 1980)

Material \ Hz	63	125	250	500	1k	2k	4k	8k
Marine 5 Format P12.L5.P6	17	18	21	26	32	40	43	44
Marine 5 Format P25.L5.P6	18	21	35	38	48	48	52	47
Marine 10 Format P12.L10.P6	24	19	24	27	28	41	51	46
Marine 10 Format P25.L10.P6	22	23	37	39	48	52	59	47

Absorption Coefficient (random incidence)

Material \ Hz	125	250	500	1k	2k	4k
Marine 5 / 10 19mm thickness	0.08	0.14	0.22	0.32	0.40	0.53
Marine 5 / 10 32mm thickness	0.08	0.20	0.56	0.93	0.84	0.92



Installation Guidelines

Please contact our technical department for installation instructions.

Wilhams Insulation Group

117 Bohemia Road, St Leonards-On-Sea, East Sussex TN37 6RL United Kingdom
 Export Sales:- Tel: +44 (0) 1424 717171 Fax: +44 (0) 1424 20100 Email: sales@wilhams-insulation.co.uk
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