

Advantages

- Available in sheet form or cut to size
- Suitable for high temperature applications
- Lightweight, easy to handle and install
- Available with various facings including self-adhesive backing and Class 'O' foil facing

Applications

Wilhams MELAMINE acoustic foam is used for internal and external duct linings, thermal / acoustic machine coverings, wall panels and suspended ceiling absorptive panels. Due to its extended properties this general purpose acoustic foam is highly adaptable.

Description

Wilhams MELAMINE acoustic foam is available in white or grey. This open cell fire resistant acoustic foam, is designed to meet the stringent requirements of British Building Regulations.

Facing and Backing Materials

Wilhams MELAMINE acoustic foam is available plain or with a wide range of facing and backing materials to suit the application or to ease installation. Standard surface treatments available are:

- Self adhesive backing.
- Class 'O' foil facing
- Fabric facing

Physical Information

Standard sheet size: 2.5m x 1.25m

Also available in a range of thicknesses from 6mm to 100mm.

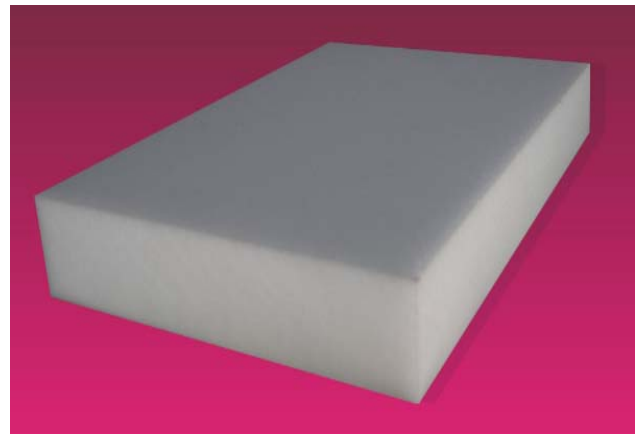
Density	11 kg/m ³
Tensile strength	100 to 150 kPa
Hardness (DIN 53577) (40% deformation)	7-13kpa
Thermal Conductivity (DIN 52612)	0.0032 to 0.0034 W/mK
Cell count	150 – 200 ppi
Toxicity (DIN 4102)	Class A2
Operating temperatures	0 to 220°C (continuous) 295°C (max. intermittent)

Technical Information

Wilhams MELAMINE acoustic foam conforms to the following specifications:

Fire Tests

- | | |
|---------------------------|---------------------|
| • BS 476: Part 6 | Index 9.5 – Pass |
| • BS 476: Part 7 | Class 1 |
| • UK Building Regulations | Class O |
| • UL 94 Classification | 94-V-0, HF1 |
| • DIN 4102 | B1 Low flammability |

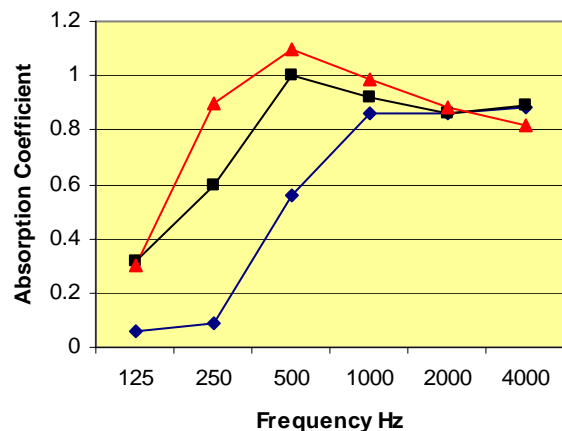


Acoustic Performance

Wilhams MELAMINE acoustic foam is a high performance material that has been acoustically tested at a certified independent test laboratory.

Random Incidence Sound Absorption Coefficients.

Material \ Hz	125	250	500	1k	2k	4k
25mm thick	0.06	0.09	0.56	0.86	0.86	0.88
50mm thick	0.32	0.60	1.00	0.92	0.86	0.89
100mm profiled	0.30	0.90	1.10	0.99	0.88	0.82



◆ 25mm thick ■ 50mm thick ▲ 100mm profiled

Installation Guidelines

Installing plain MELAMINE foam can be accomplished by either bonding with adhesive or using mechanical fixings, or a combination of both.

For further information please contact our technical department.

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