



**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  
Available in a range of thicknesses from 6mm to 100mm.

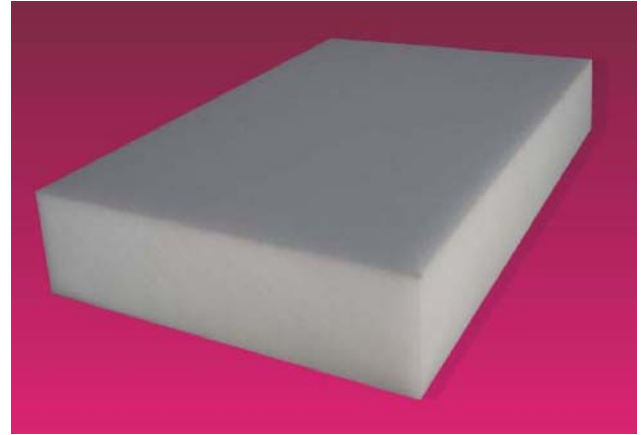
Density	11 kg/m <sup>3</sup>
Tensile strength	100 to 150 kPa
Hardness (DIN 53577) (40% deformation)	7-13kpa
Thermal Conductivity (DIN 52612)	0.0032 to 0.0034 W/mK
Cell count	150 – 200 ppi
Toxicity (DIN 4102)	Class A2
Operating temperatures	0 to 220°C (continuous) 295°C (max. intermittent)

**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

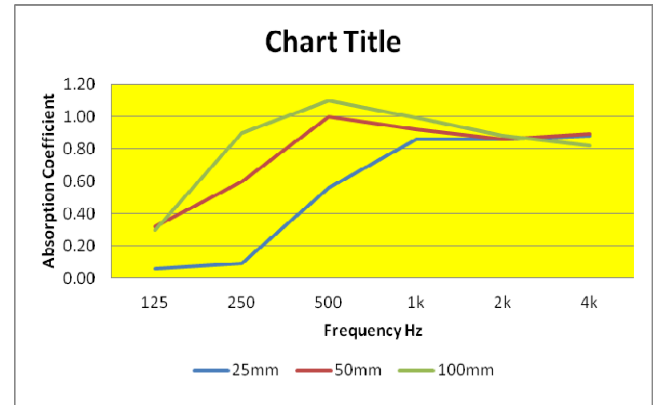


**Acoustic Performance**

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	0.6	1.0	0.92	0.86	0.89
100mm profiled	0.3	0.9	1.01	0.99	0.88	0.82



**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.