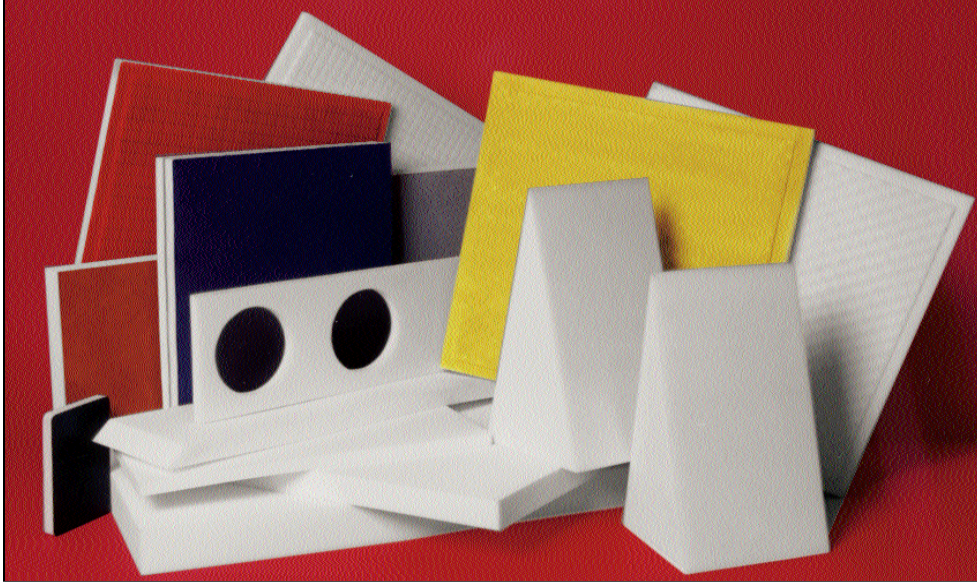


MelaTech

Description

MelaTech is an open cell, melamine foam. It is lightweight, flexible, easy to handle and does not flame or emit toxic fumes when exposed to heat.



It is designed for use in thermal and acoustic insulation applications.

MelaTech is available in sheets, die-cut to size and shape or profiled. It can be faced one side or totally enclosed in a wide range of materials to meet specific performance requirements. **MelaTech** can be supplied with a self-adhesive backing if required.

Colour	MelaTech	-	White / Light grey
	Surface finish	-	Can be spray painted to any RAL colour

Application

MelaTech is used extensively in heating, ventilation and air conditioning equipment, railway rolling stock, wall and ceiling panels, acoustic enclosures, recording studios, theatres, cinema auditoria and other leisure complexes. It is used as case linings, splitter and louvre infills in the power generation industry and in a variety of automotive applications.

Operating Temperature

MelaTech can be used at continuous operating temperatures up to 150°C

Fire Performance

Plain **MelaTech** complies with the Class 'O' requirements of the Building Regulations, when tested to BS476: Part 6:1981 and Part 7: 1987.

MelaTech with a spray painted finish does not have a fire rating.

When coated with intumescent paint, **MelaTech** meets the French NF 10-702 and NFX 70-100 'F' classification. It achieves the French NFP 92-501 M1 rating.

MelaTech with a PVC Coated Glass Cloth facing complies with the Aeronautical standard EASA.CS / FAR - 25.853 (a) App. F, Part 1.

MelaTech also meets various other American and European standards. Further details available on request.

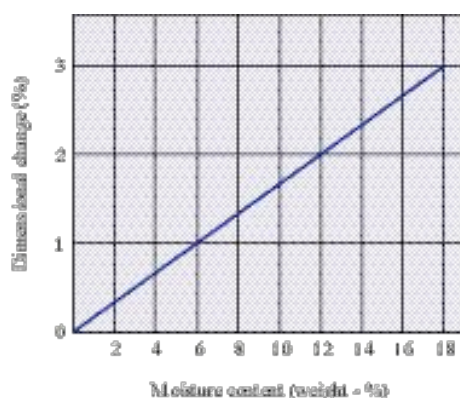
Thermal Conductivity	-	0.035 W/mK @ 10°C
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Acoustic Performance

Product	Thickness mm	Sound Absorption Coefficient (Tested to BSEN 20354 1993)					
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Plain MelaTech	25	0.04	0.22	0.54	0.74	0.88	0.92
	50	0.22	0.46	0.95	1.00	1.00	1.00
	100	0.60	1.00	1.00	1.00	0.98	0.96
Faced one side with: Non-woven Tissue (NWB)	25	0.03	0.21	0.78	0.91	0.98	0.95
	50	0.13	0.72	1.00	1.00	1.00	1.00
PVC Coated Glass Cloth (VK)	25	0.10	0.36	0.98	0.35	0.14	0.16
Class 'O' Foil (B)	25	0.09	0.33	1.00	0.42	0.19	0.20

Dimensions and Density

Thickness in 1mm increments	*Sheet Size mm	Nominal Density Kg/m ³
from 6mm to 250mm	2500 x 1250	9.5 ± 1.5



*Dimensional changes may occur in **MelaTech** foam dependant on the relative humidity of the surrounding air. Allowances should therefore be made to overall sizes based on the anticipated moisture content of the **MelaTech** when in-situ.

Permanence

MelaTech is resistant to hydrolysis, alcohols, hydrocarbons, most organic solvents and dilute acids and bases.

Availability

MelaTech is available plain, or with a wide range of facings. These include:

Type of Facing	Colour	Fire Rating	Ordering Reference
Plain MelaTech	White/Light Grey	Class 'O'	AM
Class 'O' Foil	Silver	Class 'O'	B
Non Woven Tissue	Black	Class 'O'	NWB
Polyurethane Film	Black or White	n/a	C
PVC Coated Glass Cloth	Black or Grey	Class 1	VK
Tedlar®	White	n/a	TW
PVC Spray Coating	Matt Black	n/a	SB
Polychlorophene Coated Glass Cloth	Beige or Green	Class 'O'	CG
Profiled (egg box) Plain	White/Light Grey	Class 'O'	PR
Profiled (egg box) with PVC Spray Coating	Matt Black	n/a	PRSB

For Further Information

contact

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