

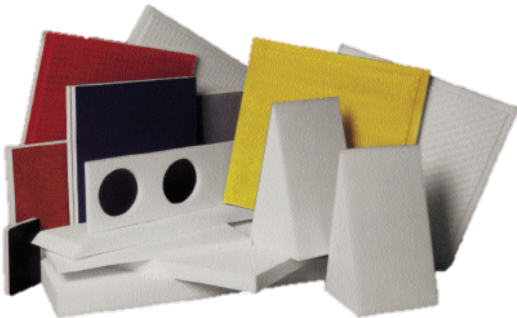


# MelaTech®

MelaTech® is a lightweight, open cell melamine foam. It exhibits excellent fire resistance properties and as such does not flame or emit toxic fumes. Due to its excellent thermal and acoustic properties it has countless applications including acoustic wall and ceiling panels.

## Key Features and Benefits

- Excellent fire performance and thermal properties
- Absorb high levels of reflected noise
- Class 0 fire rating at 25mm thickness
- Lightweight
- Available in a selection of facings and finishes
- Can be cut to bespoke shapes and sizes



## Applications

- Acoustic Wall panels
- Acoustic ceiling panels
- Louvres and baffles
- Anechoic chambers
- HVAC equipment
- Railway and automotive applications

## Grades & Colour

Melatech is available in the following colours:

- Grade G+ - Light Grey
- Grade B - White
- Grade UF - Dark Grey

## Operating Temperature

Suitable for use at normal building temperatures.

## Fire Performance

Grade	Thickness	Standard	Rating
G+ & B	25mm	BS476	Part 6 & 7
UF		EN13501-1	B, s1, d0

## Availability

MelaTech® is available plain, or with a wide range of facings.

## Dimensions and Weight

Grade	Thickness (mm)	Maximum Panel Length (mm)	Maximum Panel Width (mm)	Density (kg/m <sup>3</sup> )
G+	6 – 250	2500	1250	9 ±1.5
B	6 – 250	2500	1250	7.5 ±2
UF	6 - 250	2500	1250	7 ±3

MelaTech® can be supplied in untrimmed sheets – nominal size 2530mm x 1230mm

We advise that prior to installation MelaTech® should be left in the environment to be fitted for at least 24 hours to normalize as the panels can change dimensionally due to the absorption or release of moisture within the melamine resin.

## Acoustic Performance

Product	Thickness mm	Sound Absorption Coefficient (BS EN ISO 354)						* Absorber Class
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
G+	25	0.09	0.19	0.48	0.76	0.85	0.92	D
	50	0.16	0.49	0.91	1.02	0.99	1.01	B
	60	0.20	0.64	1.00	1.01	1.02	1.02	A
B	25	0.11	0.20	0.48	0.73	0.84	0.93	D
	50	0.19	0.48	0.87	0.99	0.98	1.02	C
	60	0.30	0.65	0.94	0.99	1.02	1.03	A

\* Absorber Classifications tested in accordance with BS EN ISO 11654:1997

The information contained in this data sheet is believed to be correct at the date of publication. The information is based on our general experience and is given in good faith but because of the many factors outside our knowledge and control which may affect the product no warranty is given or is to be implied with respect to such information. H&H Acoustic Technologies Ltd reserves the right to alter or amend the specification of their products without notice as their policy is one of constant improvement.

## Range of standard Facings

Melatech can be supplied in the following standard facings

Types of Facing Available	
Reinforced Foil	Polychloroprene Coated Glass Cloth
Polyurethane Film	
Non-Woven Tissue	PVC Spray Coating
PVC Coated Glass Cloth (VK)	Camira Fabrics (Cara, Lucia and Lucia CS)

Other facings are available upon request

## Thermal Conductivity

0.035 W/mK @ 10°C

## Emission of VOC

Class A (ISO1600) G+

## Technical Advice

Highly qualified building and acoustic consultants are available to offer assistance and advice to clients, architects and contractors on all aspects of noise control to ensure design specifications and acoustic performance requirements are achieved. They can also undertake noise surveys and provide details of anticipated reverberation times pre and post installation.