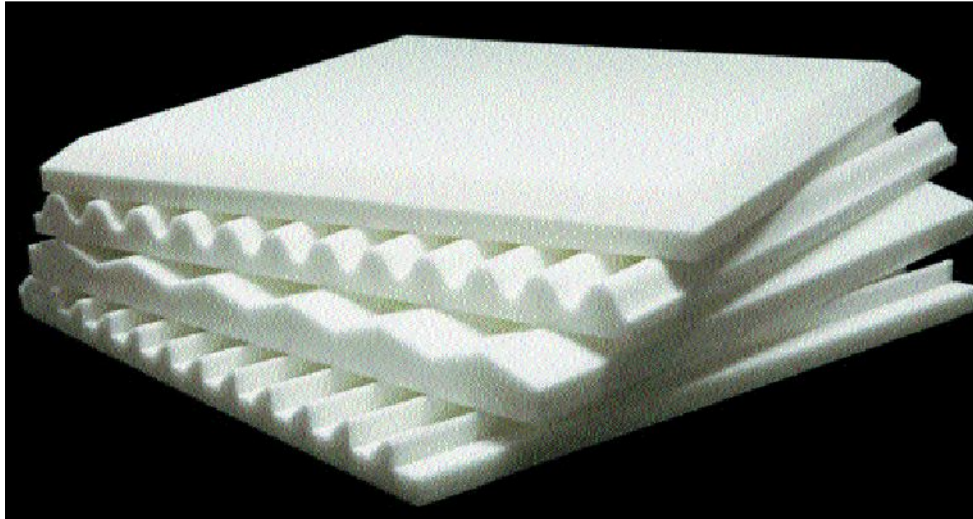


# MelaTiles

## Description

MelaTiles comprise a range of decorative, sound absorbing tiles manufactured from MelaTech foam.



They are designed to improve the acoustic environment within a room by absorbing airborne noise and provide an extremely effective, economic alternative to installing a suspended ceiling. MelaTiles are suitable for adhering to ceilings and walls, subject to the receiving substrate being in suitably good condition.

MelaTiles are available plain or in a choice of three profiled surface finishes; Ridge, Sinewave and Louvre.

## Colour

Natural White or spray painted to any British Standard or RAL colour, subject to minimum order quantities. Further details available on request.

## Design

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.

## Application

MelaTiles are used extensively in nursery schools, themed play areas, meeting rooms, studios, village halls and other large areas with high levels of reverberant noise.

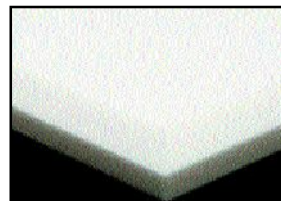
## Temperature

MelaTiles are suitable for use at normal building temperatures.

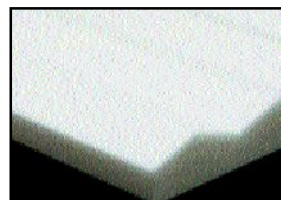
## Fire Performance

Natural White MelaTiles comply with the Class 'O' requirements of the Building Regulations, when tested to BS476: Part 6: 1981 and Part 7: 1987

Spray painted MelaTiles do not have a fire rating.



Plain



Ridge



Sinewave



Louvre

Data Sheet  
2006 Issue 02

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<http://www.acoustic.co.uk>

## Thermal Conductivity

0.035 W/mK @ 10°C

## Building Regulation Classification

MelaTiles	Absorber Classification (When tested to BS EN ISO 11654-1997)
	50mm thick
Plain	C
Ridge	C
Sinewave	C
Louvre	C

## Acoustic Performance

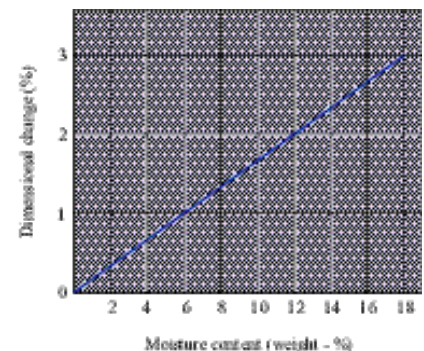
MelaTiles	Thickness mm	Sound Absorption Coefficient (Tested to BS EN ISO 354)					
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
MelaTiles	50	0.22	0.46	0.95	1.00	1.00	1.00

## Dimensions and Weight

Product	* Standard Size mm	Thickness Range in 1mm Increments	Density kg/m <sup>3</sup>
Plain	600 x 600	50mm to 250mm	9.5 ± 1.5mm
Ridge	600 x 600	50mm to 250mm	9.5 ± 1.5mm
Sinewave	600 x 600	50mm to 250mm	9.5 ± 1.5mm
Louvre	600 x 600	50mm to 250mm	9.5 ± 1.5mm

Note Non-standard sizes may be available subject to minimum order quantity. Further details available on request

\* Dimensional changes may occur in MelaTiles dependant on the relative humidity of the surrounding air. Allowances should therefore be made to the overall sizes based on the anticipated moisture content of MelaTiles when in-situ. Further details available on request.



## Availability

MelaTiles are generally available to order.

## Handling and Storage

MelaTiles should be stored inside in a dry, well-ventilated area protected from dirt and dust. They should be stored flat and off the ground. Extreme care should be taken when handling to avoid damage and soiling.

## Application and Fixing

- 1 The dimensional stability of MelaTiles is affected by humidity. To minimise the effects of any changes, MelaTiles should be unpacked and left in the room in which they are to be installed for at least 24 hours prior to fixing.
- 2 It is advisable to wear cotton gloves when fixing to prevent soiling the surface.
- 3 Apply a bead of IIFC adhesive, available from Hodgson & Hodgson Group Ltd, around the perimeter of the back face of the tile and in a snake pattern across the centre.
- 4 Position the MelaTile, applying a light pressure to secure it in place.

## For Further Information

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