



Medi Panel

The Product

Manufactured from medium density, moisture-resistant mineral wool, Medi Panel acoustic ceiling panels have a washable, anti-bacterial and pre-painted surface and edge finish. The reverse side features a non-woven, glass fibre tissue face which is treated to prevent the formation of fungus and bacteria.

Medi Panels are designed for use in a corrosion-resistant suspended ceiling grid system. Where hygiene is of paramount importance, or where the panels require regular cleaning, they should be fixed with stainless steel clips. As an extremely cost-effective alternative to using a full suspended ceiling system, Medi Panel can also be fixed directly to horizontal and vertical surfaces, subject to the condition of the substrate.

When used as part of the overall roof construction, Medi Panel's thermal insulation properties can make a significant contribution to a building's thermal resistance.

Applications

- **Food and catering applications**
- **Hospitals**
- **Research facilities**
- **Medical centres**
- **Changing rooms**
- **Swimming pools**
- **Educational buildings**

Colour and Finishes

Light Reflectance - White - Approx 84%

Technical Advice

Our qualified and experienced consultants can provide architects, consultants and contractors with expert advice on all aspects of noise control. They can also undertake noise surveys and provide details of anticipated reverberation time improvements to help ensure that the optimum design specifications and acoustic performance are achieved.

Operating Temperature

Medi Panel ceiling panels are suitable for use at normal building temperatures.



Fire Performance

Medi Panels achieve Euroclass Reaction to Fire Class A2-s1 when tested in accordance with BS EN 13501-1.

Thermal Conductivity - 0.036 Wm/K @ 10°C

Moisture Resistance

Medi Panel ceiling panels are suitable for use in areas with 95% relative humidity at 25°C. They can also withstand 100% humidity at 40°C for short periods.

Impact Resistance

When installed directly onto a substrate, Medi Panels will withstand light to moderate impact. When installed in a suspended ceiling grid system and fixed with suitable retaining clips they may also withstand light impact.

Availability

Medi Panels are available to order.

Handling and Storage

Medi Panels are packed in cardboard cartons which should be stored in a dry, well ventilated area and protected from dirt and dust. The cartons should be stored flat, no more than six high and off the ground. They **MUST NOT** be stacked on end. They should be handled with extreme care.

APPLICATIONS

- Offices • Meeting Rooms • Hotels • Conference Centres
- Leisure Centres • Schools • Restaurants • Showrooms



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Acoustic Performance

Thickness mm	Depth of void behind panels mm	Sound Absorption Coefficient (tested to BS EN ISO 354)						α_w
		125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	
18	Fixed directly to substrate	0.10	0.45	1.00	1.00	0.95	0.85	0.75
	With 50mm void behind	0.10	0.45	1.00	1.00	0.95	0.85	0.75
	With 200mm void behind	0.30	0.75	1.00	0.85	0.95	0.90	0.95
	With 400mm void behind	0.30	0.75	0.70	0.90	0.95	0.85	0.80
40	Fixed directly to substrate	0.20	0.70	1.00	1.00	0.95	0.85	0.95
	With 50mm void behind	0.20	0.70	1.00	1.00	0.95	0.85	0.95
	With 200mm void behind	0.35	0.80	0.95	1.00	0.95	0.80	0.95
	With 400mm void behind	0.30	0.85	0.85	1.00	0.95	0.80	0.90

Dimensions and Weight

Thickness mm	Length mm	Width mm	No. of panels per carton	m ² per carton	Weight kg/m ²	
					Panel	Panel & Grid
18	600	600	32	11.52	1.4	3
	1200	600	16	11.52	1.4	3
40	600	600	12	4.32	2.8	4
	1200	600	6	4.32	2.8	4

Application and Fixing

Medi Panels are designed for use in a standard, non-corrosive T24 exposed ceiling grid system. They should be fixed with stainless steel clips at 300mm centres so that they are held firm whilst cleaning. When cut to fit around protrusions, the raw panel edges should be re-sealed with an appropriate antibacterial paint. Please enquire for further details. Medi Panels will NOT support recessed light fittings which should therefore be supported by other means. In an exposed ceiling grid system, the minimum distance which Medi Panels can be effectively installed below an existing substrate is shown below:

Thickness mm	Without Access Facility mm		With Access Facility mm	
	Without Clips	With Clips	Without Clips	With Clips
18	52	140	80	140
40	52	140	140	140

Medi Panels can also be fixed directly to horizontal and vertical surfaces, providing the receiving substrate is in a suitable condition. More details are available on request.

Care and Maintenance

Medi Panels can be cleaned daily by gently wiping with a damp cloth and mild detergent. They can be cleaned with a low pressure jet washer operating at a maximum 50-60psi at 40°C, up to three times a year. The spray head should be angled at 45° and kept at least 300mm below the panel surface.

Building Regulation Classification

Medi Panel	Absorber Classification (When tested to BS EN ISO 11654-1997)	
	18mm thick	40mm thick
Fixed directly to substrate	C	A
50mm void behind panels	C	A
200mm void behind panels	A	A
400mm void behind panels	B	A

For further details, call John C Wilkins Acoustic Installations on 01204 548400.

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