

PhonoTrack

Description

PhonoTrack is a highly decorative stretched fabric acoustic treatment for internal walls. The smooth, taut finish is created by framing new or existing walls with extruded PVC-U sections and bonding acoustically absorbent **MelaTech** foam or mineral wool in between. Acoustically transparent fabric is then stretched across the infill and securely anchored into the sections.



PhonoTrack is designed to provide sound absorption and significantly reduce reverberation within a room to create a soft, comfortable environment with a stylish designer elegance.

High performance sound insulation barriers can be incorporated within the system to meet the most demanding performance requirements in specialist applications.

Colour

Three fabric ranges are available. Cara, Screen and Lucia fabrics each have a different surface texture and are available in a wide choice of colours.

Alternatively, clients can specify their own fabric subject to it being of a suitable quality, having the required acoustic properties and being compatible with the **PhonoTrack** system.

Application

PhonoTrack is used extensively in recording studios, cinemas, boardrooms, reception areas, theatres, video conference facilities, audiology suites, art galleries and auditoria.

Technical Advice

Highly qualified acoustic engineers are available to offer assistance to clients, architects and contractors on all aspects of noise control. They can undertake noise surveys and provide details of anticipated reverberation times pre and post installation.

Operating Temperature

PhonoTrack is suitable for use at normal building temperatures.

Fire Performance

The mineral wool contained within the **PhonoTrack** system is non-combustible, when tested in accordance with BS476: Part 4: 1970 (1984).

The **MelaTech** foam contained within the **PhonoTrack** system complies with the Class 'O' requirements of the Building Regulations when tested in accordance with BS476: Parts 6 & 7.

Cara, Screen and Lucia fabrics meet the requirements of Class 1 Surface Spread of Flame when tested to BS476: Part 7: 1997. Screen fabrics can be chemically treated to provide a Class 'O' fire rating, subject to minimum order quantity.

Data Sheet
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Thermal Conductivity

Mineral wool	-	0.033 W/mK @ 10°C
MelaTech foam	-	0.035 W/mK @ 10°C

Building Regulation Classification

Product	Overall Depth	Absorber Classification When tested to BS EN ISO 11654-1997
PhonoTrack with Mineral Wool Infill	25mm	C
	50mm	B
	100mm	A
PhonoTrack with MelaTech Foam Infill	25mm	C
	50mm	A
	100mm	A

Acoustic Performance

Product	Infill Thickness mm	Sound Absorption Coefficient Tested to BS EN ISO 354					
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
PhonoTrack with Mineral Wool Infill	22	0.05	0.30	0.70	0.95	1.00	1.00
	47	0.18	0.50	0.90	0.99	1.00	1.00
	97	0.53	1.00	1.00	1.00	1.00	1.00
PhonoTrack with MelaTech Foam Infill	22	0.12	0.34	0.73	0.92	0.94	0.87
	47	0.20	0.66	0.99	1.00	0.97	0.95
	97	0.52	1.00	1.00	1.00	1.00	0.97

High performance sound insulation barriers can be incorporated within the system to meet low frequency performance requirements in recording studios and audiology suites etc. Further details available on request.

Dimensions

The **PhonoTrack** system allows total design flexibility on site and each installation can be customised to accommodate individual architectural features within a room. The PVC-U sections can be adjusted to facilitate the depth off the wall varying from 25mm to 100mm for a continuous finish around the room. Further details available on request.

Care and Maintenance

PhonoTrack stretch fabrics can be cleaned periodically with a low powered vacuum cleaner. Under no circumstances should the fabric be cleaned using water. Stains can be treated with an appropriate cleaning solution applied in accordance with the manufacturer's instructions.

If damaged, the stretch fabric can be removed and replaced by a suitably qualified tradesman.

Application and Fixing

PhonoTrack is available to order and should only be fitted by specialist contractors. Further details available on request.

For Further Information

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