



HR Absorbers

Decorative ceiling absorbers designed to reduce reverberation manufactured from a sound absorbing MelaTech foam core covered with a high quality acoustically transparent fabric. A light weight steel frame is bonded to the rear of the panel to facilitate installation.

Key Features and Benefits

- Suspended horizontally from ceilings
- Absorb high levels of reflected noise
- Effective alternative to installing a full suspended ceiling
- Available in a selection of colours and fabric ranges
- 50mm thickness
- Light weight yet robust
- Simple installation



HR Absorbers

Applications

- Schools
- Multi-purpose halls
- Gymnasias
- Recording studios
- Music practice rooms
- Health care facilities
- Offices
- Call centres

Colour and Finish

Cara, Lucia and Lucia FR fabric ranges are available as standard in a wide range of colours. Alternatively, HR Absorbers can be covered with a client's own choice of fabric, subject to it being of a suitable quality and having the required acoustic properties.

Operating Temperature

Suitable for use at normal building temperatures.

Fire Performance

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

Cara, Lucia and Lucia FR fabrics meet the requirements of Class 1 Surface Spread of Flame when tested to BS476: Part 7: 1997 (As Amended). The composite absorbers have not been fire tested.

Thermal Conductivity

0.035 Wm/K @ 10°C

Availability

HR Absorbers are available to order and should only be fitted by suitably qualified tradesmen or specialist contractors.

Dimensions and Weight

Thickness mm	Absorber Length mm	Absorber Width mm	Nominal Weight of Absorber and Frame kg
50	Any Size up to 2500	Any Size up to 1250	12.0

Acoustic Performance

Thickness mm	Depth of Void Behind Panels	Sound Absorption Coefficient (BS EN ISO 354)						α_w	* Absorber Class
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
50	50mm	0.34	0.97	1.00	1.00	1.00	1.00	1.00	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.

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.

Packaging, Handling and Storage

Two HR Absorbers are packed with fabric-face to fabric-face in a non-returnable polythene bag. Packs are laid flat and delivered on non-returnable wooden pallets with plastic corner protectors. Absorbers should be stored inside and under cover in a dry, well-ventilated area protected from dirt and dust. Pallets should be kept level and not double-stacked. Extreme care should be taken when handling, to avoid soiling the fabric.

Application and Fixing

Dimensional changes may occur in HR Absorbers dependent on the relative humidity of the area in which they are being installed. Absorbers should therefore be left to acclimatise for 24 hours prior to installation. For best results it is recommended that panels are hung with a minimum 100mm spacing between them. Panels are fixed via pre-fixed holes in the rear framework which provide suitable points for fixing suspension cables from the soffit.

Care and Maintenance

The surface of HR Absorbers can be cleaned periodically with a vacuum cleaner. Under no circumstances should they be submerged in water or subjected to a high pressure water jet spray. Stains on the fabric covering may be treated with an appropriate non-solvent based cleaning solution applied in accordance with the manufacturer's instructions.