

Technical Data Sheet

Designed for installation within metal tray suspended ceiling systems to assist in reducing reverberation of sound.

PRODUCT

AcoustiPad consists of stone mineral wool enclosed in a black glass tissue. It is produced in a range of sizes to fit all manufacturers' metal tray ceiling systems and can be supplied in a variety of density options.

Intended for installation within a perforated metal tray system to assist with reducing reverberation of sound.

TECHNICAL PROPERTIES

- Prevents fibre migration within the ceiling void
- Intended for use within perforated metal tray suspended ceiling systems
- Simple to install

Densities: 45kg/m³, 60kg/m³, 100kg/m³
(other densities are available)

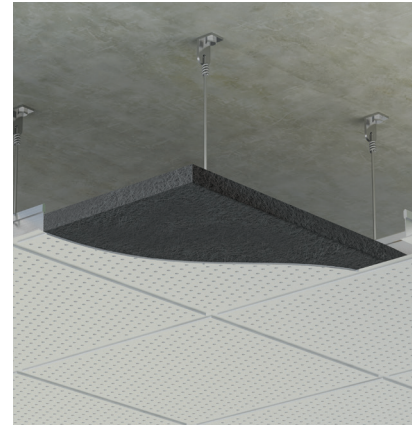
Thickness: 16mm, 50mm, 100mm
(other thicknesses available to order)

Sizes: 300 x 300mm, 600 x 600mm,
1200 x 300mm, 1200 x 600mm
(other sizes available to order)

ACOUSTIC PERFORMANCE

AcoustiPad ceiling pads offer up to Class 'A' sound absorption across a range of frequencies (125 - 4000 Hertz) and provide a Noise Reduction Coefficient from 0.90 to 1.15, with an NRC of 0 indicating perfect reflection and an NRC of 1 indicating perfect absorption.

The noise absorption coefficient of AcoustiPad is tested to BS EN ISO 354:2003 and stated in accordance with BS EN ISO 11654:1997.



AcoustiPad installed in metal grid ceiling system.

Absorption Coefficient Table

mm-kg/m ³	Metal Tile (31.40% Perforated Area)			Frequency Hz						NRC	α _w	Absorption Coefficient
	Infill Dimension	Mineral Wool	Wrap	125	250	500	1000	2000	4000			
16-45	600x600x16mm	45kg/m ³	Black Tissue	0.30	0.80	1.00	0.85	1.00	1.00	0.90	0.95	Class A
16-60		60kg/m ³		0.35	0.90	1.00	0.90	1.00	1.00	0.95	1.00	Class A
16-100		100kg/m ³		0.40	0.95	1.00	0.95	1.00	1.00	1.00	1.00	Class A
50-45	600x600x50mm	45kg/m ³	Black Tissue	0.60	1.00	1.00	1.00	1.00	1.00	1.10	1.00	Class A
50-60		60kg/m ³		0.60	1.00	1.00	1.00	1.00	1.00	1.10	1.00	Class A
50-100		100kg/m ³		0.60	1.00	1.00	1.00	1.00	1.00	1.05	1.00	Class A
100-45	600x600x100mm	45kg/m ³	Black Tissue	0.75	1.00	1.00	1.00	1.00	1.00	1.15	1.00	Class A
100-60		60kg/m ³		0.80	1.00	1.00	1.00	1.00	1.00	1.10	1.00	Class A
100-100		100kg/m ³		0.75	1.00	1.00	1.00	1.00	1.00	0.95	1.05	Class A

