

Acoustic Ceiling Pad MP562

Technical Data Sheet



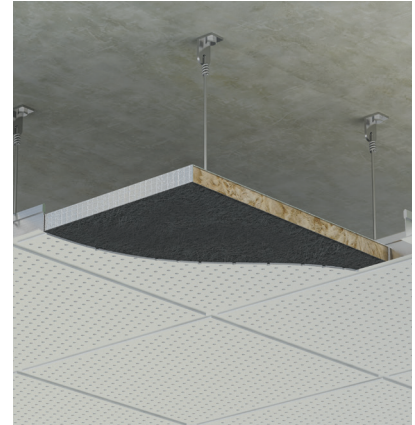
Designed for installation within metal tray suspended ceiling systems to assist in reducing sound transmission through the ceiling or to reduce reverberation of sound.

PRODUCT

Acoustic Ceiling Pad MP562

Acoustic Ceiling Pad MP562 consists of a stone mineral wool slab faced in a foil and with a black tissue on its reverse side. 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.



Acoustic Pad MP562 installed in metal grid ceiling system

TECHNICAL PROPERTIES

- Prevents fibre migration within the ceiling void and is specifically suited to sensitive areas & office environments
- Acoustic Ceiling Pad MP562 will aid in reducing reverberation of sound

Densities: 45kg/m³ - 80kg/m³ (other densities are available)

Thickness: 18mm, 25mm, 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

MP562 ceiling pads offer 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 MP562 is tested to BS EN ISO 354:2003 in accordance with BS EN ISO 11654:1997

THERMAL CONDUCTIVITY	DENSITY
0.035 W/mK	45kg/m ³
0.034 W/mK	60kg/m ³
0.034 W/mK	80kg/m ³

Absorption Coefficient Table

mm-kg/m³	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/m³	Foil	0.30	0.85	0.95	0.85	1.00	0.95	0.90	0.95	Class A
16-60		60kg/m³		0.35	0.90	0.95	0.85	1.00	1.00	0.95	0.95	Class A
16-100		100kg/m³		0.40	0.95	1.00	0.90	1.00	1.00	0.95	1.00	Class A
50-45	600x600x50mm	45kg/m³	Foil	0.60	1.00	1.00	1.00	1.00	1.00	1.05	1.00	Class A
50-60		60kg/m³		0.65	1.00	1.00	1.00	1.00	1.00	1.05	1.00	Class A
50-100		100kg/m³		0.65	0.90	0.95	1.00	1.00	1.00	1.00	1.00	Class A
100-45	600x600x100mm	45kg/m³	Foil	0.75	1.00	1.00	1.00	1.00	1.00	1.05	1.00	Class A
100-60		60kg/m³		0.75	1.00	1.00	1.00	1.00	0.95	1.05	1.00	Class A
100-100		100kg/m³		0.70	0.90	0.95	1.00	1.00	0.95	0.95	1.00	Class A

