# 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 wrapped in bright Class 0 foil and faced 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.



- 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

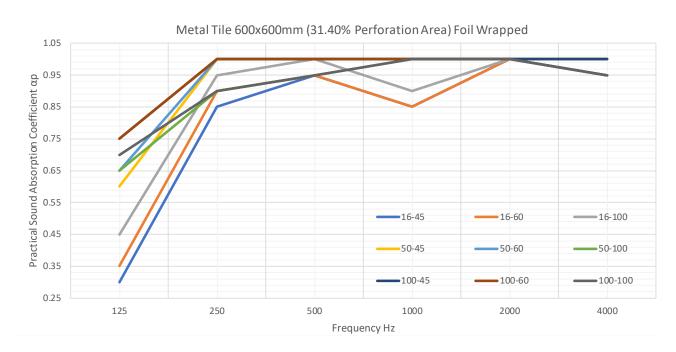
THERMAL CONDUCTIVITY	DENSITY
0.035 W/mK	45kg/m³
0.034 W/mK	60kg/m³
0.034 W/mK	80kg/m³



Acoustic Pad MP562 installed in metal grid ceiling

# **Absorption Coefficient Table**

mm-kg/m³	Metal Tile (31.40% Perforated Area)			Frequency Hz								Absorption
	Infill Dimension	Mineral Wool	Wrap	125	250	500	1000	2000	4000	NRC	αw	Coefficient
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/m <sup>3</sup>		0.35	0.90	0.95	0.85	1.00	1.00	0.95	0.95	Class A
16-100		100kg/m <sup>3</sup>		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/m <sup>3</sup>		0.65	1.00	1.00	1.00	1.00	1.00	1.05	1.00	Class A
50-100		100kg/m <sup>3</sup>		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/m <sup>3</sup>		0.75	1.00	1.00	1.00	1.00	0.95	1.05	1.00	Class A
100-100		100kg/m <sup>3</sup>		0.70	0.90	0.95	1.00	1.00	0.95	0.95	1.00	Class A









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