

Acoustic Ceiling Pad MP561

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 MP561

Acoustic Ceiling Pad MP561 consists of a stone mineral wool slab totally enclosed in polythene. It is produced in a range of sizes to fit all manufacturers' ceiling systems and can be supplied in a variety of density options.

Intended for installation above suspended ceiling systems to assist with reducing "room to room" sound attenuation.



MP561 Polythene Enclosed Ceiling Pad installed in metal grid ceiling system

FEATURES	BENEFITS
18mm-100mm thickness available	Thermal performance of a ceiling system can be enhanced
Available in a range of densities	Allows the specifier flexibility in design
Enclosed in black polythene	Prevents fibre migration within the ceiling void
Acoustic Insulation	Assists with reducing "room to room" sound attenuation

TECHNICAL PROPERTIES

Purpose	Thermal & Acoustic
Facing	Black polythene
Density	45kg/m ³ - 80kg/m ³ (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)

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

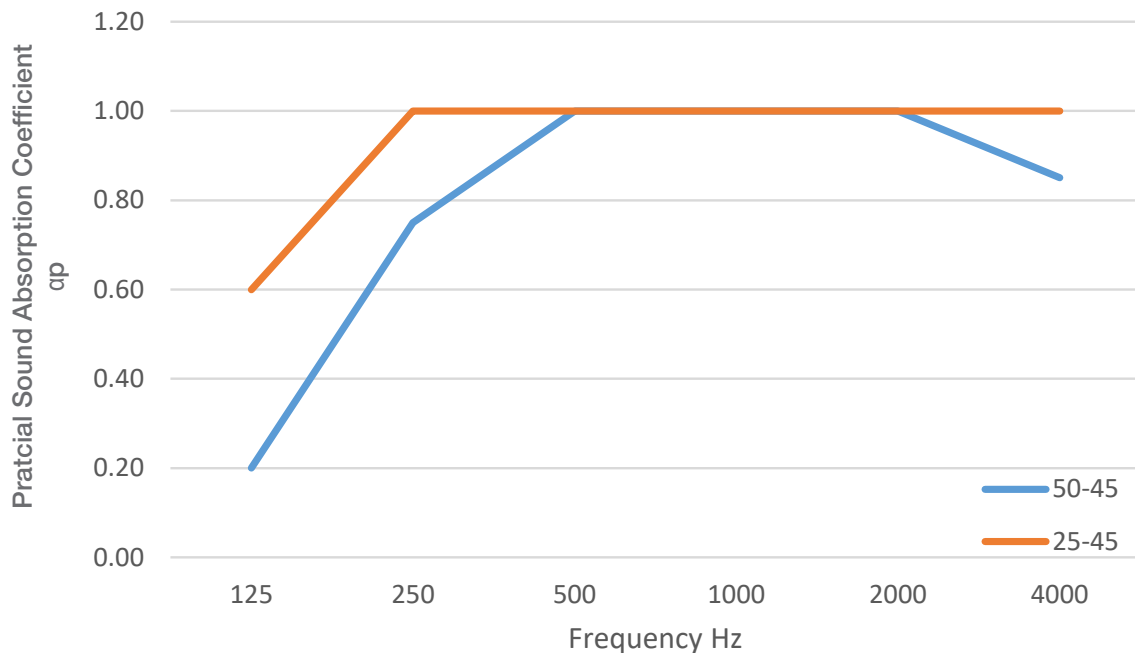
ACOUSTIC PERFORMANCE

When used in a suspended ceiling, MP561 offers Class 'A' sound absorption across a range of frequencies (125 Hertz, 250 Hertz, 500 Hertz, 1000 Hertz, 2000 Hertz and 4000 Hertz) and provide a Noise Reduction Coefficient from 0.90 to 1.15, with an NRC of 1 indicating perfect absorption.

The noise absorption coefficient is tested to BS EN ISO 354:2003 in accordance with BS EN ISO 11654:1997

Note: Only the 25mm and 50mm thicknesses at 45kg/m³ density have been tested.

mm-kg/m ³	Metal Perforated Tile (600mm x 600mm) (31.40% Perforation Area)			Frequency Hz								NRC	α _w	Absorption Coefficient	Cert Number
	Infill Dimension	Density	Facing	63	125	250	500	1000	2000	4000	8000				
50-45	600mm x 600mm x 50mm	45kg/m ³	Black Polythene Enclosed	n/a	0.20	0.75	1.00	1.00	1.00	0.85	n/a	1.00	1.00	Class A	18208
25-45	600mm x 600mm x 25mm	45kg/m ³	Black Polythene Enclosed	n/a	0.60	1.00	1.00	1.00	1.00	1.00	n/a	0.70	0.60	Class C	18209



The noise absorption coefficient is tested to BS EN ISO 354:2003 in accordance with BS EN ISO 11654:1997

50mm MP561 offers Class 'A' sound absorption across a range of frequencies (125, 250, 500, 1000, 2000 and 4000 Hertz) and provides a Noise Reduction Coefficient of 1.

25mm MP561 offers Class 'C' sound absorption across a range of frequencies (125, 250, 500, 1000, 2000 and 4000 Hertz) and provides a Noise Reduction Coefficient of 0.70.