

Polythene Enclosed Ceiling Pad MP563

Technical Data Sheet



Polythene enclosed glass mineral wool insulation pad, designed to assist sound transmission reduction through the ceiling or to reduce reverberation of sound.

PRODUCT

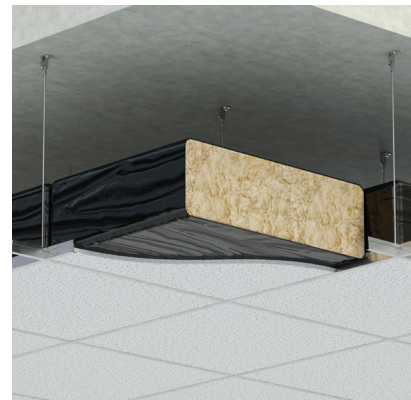
Polythene Enclosed Ceiling Pad MP563

Polythene enclosed glass mineral wool Ceiling Pad MP563 is designed to provide a thermal and acoustic insulation solution within suspended ceiling “room to room” sound attenuation.

FEATURES	BENEFITS
60mm-300mm thickness available	Thermal performance of a ceiling system can be enhanced
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
Thermal Conductivity	0.035 W/mK based on the original glass mineral wool manufacturer's declaration
Additional option	Can be supplied as glued to the polythene to prevent slumping of the mineral wool when used in a vertical orientation



Polythene Enclosed Ceiling roll MP563 fitted above a suspended ceiling.

POLYTHENE ENCLOSED CEILING PAD MP563

600 x 600 x 60mm - 20/pack	600 x 570 x 200mm - 10/pack
600 x 1200 x 60mm - 10/pack	600 x 1140 x 200mm - 5/pack
600 x 600 x 80mm - 20/pack	600 x 570 x 250mm - 5/pack
600 x 1200 x 80mm - 10/pack	600 x 1140 x 250mm - 3/pack
600 x 600 x 100mm - 20/pack	600 x 570 x 270mm - 5/pack
600 x 1200 x 100mm - 10/pack	1140 x 600 x 270mm - 3/pack
600 x 570 x 150mm - 10/pack	600 x 570 x 300mm - 5/pack
600 x 1140 x 150mm - 5/pack	600 x 1140 x 300mm - 3/pack

Other sizes and thicknesses are available upon request.

THICKNESS	R VALUE
60mm	1.36m²K/W
80mm	1.81m²K/W
100mm	2.27m²K/W
150mm	3.40m²K/W
200mm	4.54m²K/W
250mm	5.68m²K/W
270mm	6.13m²K/W
300mm	6.81m²K/W

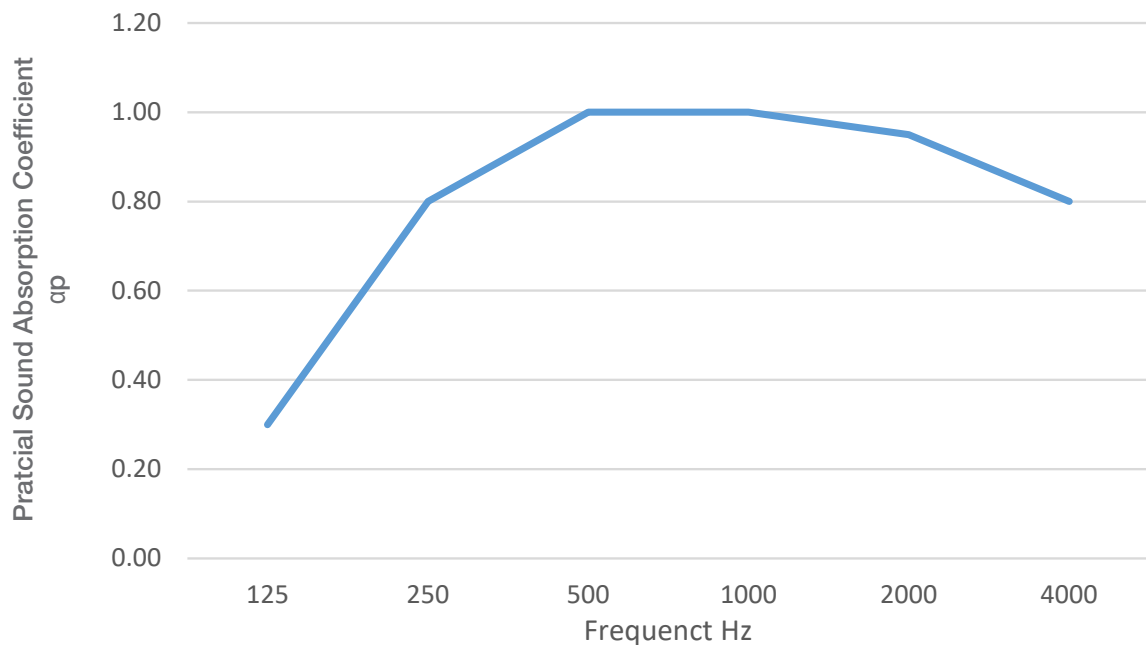
ACOUSTIC PERFORMANCE

When used in a suspended ceiling, MP563 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 100mm thickness has been tested.

mm-kg/m³	Metal Perforated Tile (600mm x 600mm) (31.40% Perforation Area)			Frequency Hz								NRC	αw	Absorption Coefficient	Cert Number
	Infill Dimension	Density	Facing	63	125	250	500	1000	2000	4000	8000				
100	600mm x 600mm x 100mm	n/a	Black Polythene Enclosed	n/a	0.30	0.80	1.00	1.00	0.95	0.80	n/a	1.00	0.95	Class A	18210



The noise absorption coefficient is tested to BS EN ISO 354:2003 in accordance with BS EN ISO 11654:1997
100mm MP563 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.