# Foil Faced Stone Mineral Wool Slab<sup>MP573 & MP574</sup>



#### Technical Data Sheet

Foil Faced Stone Mineral Wool Slab MP573 & MP574 is designed for use in thermal and acoustic applications where a high efficiency vapour barrier is required.

### PRODUCT

Foil Faced Stone Mineral Wool Slab MP573 & MP574 is manufactured from a stone mineral wool layer with a factory-bonded foil facing.

Intended for use within a variety of applications to provide a thermal and acoustic insulation solution.

#### Facings

MP573 - Foil/Scrim/Kraft paper laminate vapour barrier.

MP574 - Aluminium Foil/Scrim/Polythene laminate vapour barrier.

Fixing detail is dependent upon the intended application. In most circumstances the foil facing is placed on the warm side of the structure.

#### **TECHNICAL PROPERTIES**

- High efficiency vapour barrier
- Wide range of densities available

Thickness	25, 30, 40, 50, 60, 75, 100mm
Slab size	600 x 1200mm
Densities	33, 45, 60, 80 & 100kg/m <sup>3</sup>

Other thicknesses, sizes and densities are available to order.

# THERMAL PERFORMANCE

33kg/m <sup>3</sup>	0.037 W/mK
45kg/m <sup>3</sup>	0.035 W/mK
≥60kg/m³	0.034 W/mK

#### **ACOUSTIC PERFORMANCE**

When used in a suspended ceiling, MP573 and MP574 offer 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

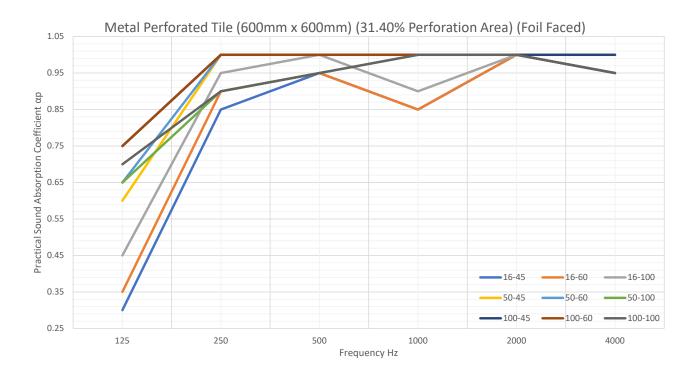
Note: Only the density range 45kg/m<sup>3</sup>-100kg/m<sup>3</sup> has been tested.



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## Absorption coefficient table

mm-kg/m³	Metal Perforated Tile (600mm x 600mm) (31.40% Perforation Area)		Fequency Hz								NRC	aw	aw	Absorption	
	Infill Dimension	Density	Facing	63	125	250	500	1000	2000	4000	8000				Coefficient
16-45	- 600mm x 600mm x - 16mm	45kg/m <sup>3</sup>	Foil	n/a	0.30	0.85	0.95	0.85	1.00	0.95	n/a	0.90	0.95	0.95	Class A
16-60		60kg/m <sup>3</sup>	Foil	n/a	0.35	0.90	0.95	0.85	1.00	1.00	n/a	0.95	0.95	0.95	Class A
16-100		100kg/m <sup>3</sup>	Foil	n/a	0.45	0.95	1.00	0.90	1.00	1.00	n/a	0.95	1.00	1.00	Class A
50-45	- 600mm x 600mm x - 50mm	45kg/m <sup>3</sup>	Foil	n/a	0.60	1.00	1.00	1.00	1.00	1.00	n/a	1.05	1.00	1.00	Class A
50-60		60kg/m <sup>3</sup>	Foil	n/a	0.65	1.00	1.00	1.00	1.00	1.00	n/a	1.05	1.00	1.00	Class A
50-100		100kg/m <sup>3</sup>	Foil	n/a	0.65	0.90	0.95	1.00	1.00	1.00	n/a	1.00	1.00	1.00	Class A
100-45	- 600mm x 600mm x - 100mm	45kg/m <sup>3</sup>	Foil	n/a	0.75	1.00	1.00	1.00	1.00	1.00	n/a	1.05	1.00	1.00	Class A
100-60		60kg/m <sup>3</sup>	Foil	n/a	0.75	1.00	1.00	1.00	1.00	0.95	n/a	1.05	1.00	1.00	Class A
100-100		100kg/m <sup>3</sup>	Foil	n/a	0.70	0.90	0.95	1.00	1.00	0.95	n/a	0.95	1.00	1.00	Class A





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