

Foil Faced Stone Mineral Wool Slab MP573 & MP574

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.



Foil Faced Stone Mineral Wool Slab
MP573 & MP574

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 ³

Other thicknesses, sizes and densities are available to order.

THERMAL PERFORMANCE

33kg/m ³	0.037 W/mK
45kg/m ³	0.035 W/mK
≥60kg/m ³	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/m³-100kg/m³ has been tested.

Absorption coefficient table

mm-kg/m³	Metal Perforated Tile (600mm x 600mm) (31.40% Perforation Area)			Fequency Hz								NRC	αw	αw	Absorption Coefficient
	Infill Dimension	Density	Facing	63	125	250	500	1000	2000	4000	8000				
16-45	600mm x 600mm x 16mm	45kg/m³	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/m³	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/m³	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/m³	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/m³	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/m³	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/m³	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/m³	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/m³	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

