

## FIRE RESISTANT BOARD

### Description

This product is a non-combustible, fire resistant vermiculite board. Micalite Fire Resistant Boards are easily cut to shape. They have excellent thermal insulation properties and minimal shrinkage at high temperatures. Micalite Fire Resistant Boards are the ideal product to use in the construction of wood burning stoves among other applications; providing fire protection exactly where it's needed. Boards with a 'reeded', herringbone or 'brick-effect' surface pattern are also available in standard sizes. User-defined shapes can also be cut to order.



Product			DMS750	DMS600
Classification Temperature		°C	1100	1100
Bulk Density		Kg/m <sup>3</sup>	700-900	600-650
Cold Compression Strength		N/mm <sup>2</sup>	6.0	4.5
Cold Modulus of Rupture		N/mm <sup>2</sup>	4.0	2.5
Thermal Conductivity	200°C	W/mK	0.18	0.16
	400°C	W/mK	0.20	0.18
	600°C	W/mK	0.21	0.20
Shrinkage (1100°C/12hr)		%	<2.0	<2.0
Thermal Expansion (20 - 700°C)		%	0.94	0.94
Specific Heat Capacity		kJ/kg K	1.15	1.15
Plane Parallelism +/-		mm	0.2	0.2
Colour			Beige	Beige
Board Sizes		mm	1020 X 620mm 1250 X 1000mm	1020 X 620mm 1250 X 1000mm
Board Thicknesses		mm	10, 12, 15, 20 25, 30, 40, 45mm	50mm

*Information presented above is given in good faith as accurate and reliable but is not to be taken as a guarantee. The figures provided are intended to be a guide to expected average values and should not be interpreted as a specification. Any potential applications referred to are not to be construed as recommendations. It is the responsibility of the user to determine suitability for any specific purpose.*

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