

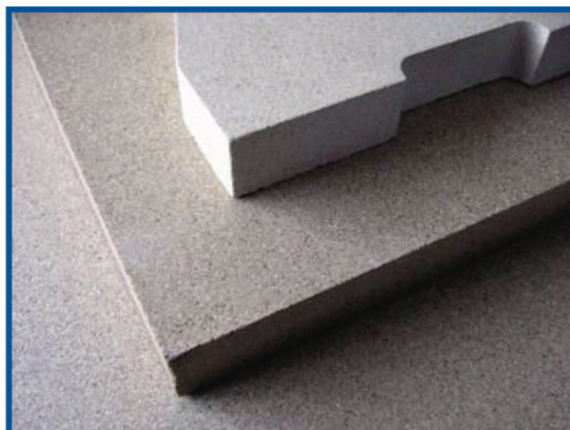


# WHITE KNIGHT MINERALS

## FIRE RESISTANT BOARD

### Description

This product is a non-combustible, fire resistant vermiculite board. Fire Resistant Boards are easily cut to shape. They have excellent thermal insulation properties and minimal shrinkage at high temperatures. 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.



<b>Classification Temperature</b>		<b>°C</b>	<b>1100</b>
<b>Bulk Density</b>		<b>Kg/m<sup>3</sup></b>	<b>600-650</b>
<b>Cold Compression Strength</b>		<b>N/mm<sup>2</sup></b>	<b>4.5</b>
<b>Cold Modulus of Rupture</b>		<b>N/mm<sup>2</sup></b>	<b>2.5</b>
<b>Thermal Conductivity</b>	<b>200°C</b>	<b>W/mK</b>	<b>0.16</b>
	<b>400°C</b>	<b>W/mK</b>	<b>0.18</b>
	<b>600°C</b>	<b>W/mK</b>	<b>0.20</b>
<b>Shrinkage (1100°C/12hr)</b>		<b>%</b>	<b>&lt;2.0</b>
<b>Thermal Expansion (20 - 700°C)</b>		<b>%</b>	<b>0.94</b>
<b>Specific Heat Capacity</b>		<b>kJ/kg K</b>	<b>1.15</b>
<b>Plane Parallelism +/-</b>		<b>mm</b>	<b>0.2</b>
<b>Colour</b>			<b>Beige</b>
<b>Board Sizes</b>		<b>mm</b>	<b>1020 X 620mm 1250 X 1000mm</b>
<b>Board Thicknesses</b>		<b>mm</b>	<b>50mm</b>

*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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