

## PUMICA K (750) Vermiculite board

				Pumica K (750kg/m <sup>3</sup> )
<b>Maximum service temperature</b>				
			°C	<b>1100</b>
			°F	<b>2012</b>
<b>Bulk density, dry (EN 1094-4:1995)</b>				
+10% tolerance			kg/m <sup>3</sup>	<b>750</b>
<b>Cold compressive strength (NEN-EN 8895:2006)</b>				
room temperature			Mpa	<b>2,8</b>
<b>Cold bending strength (EN 993-6:1995)</b>				
			Mpa	<b>1,5</b>
<b>Total porosity (EN 1094-4:1995)</b>				
			%	<b>72</b>
<b>Specific heat</b>				
			kJ (kg*K)	<b>0,84 - 1,08</b>
<b>Thickness of the boards (EN 823:2013 )</b>				
			mm	<b>15 - 100</b>
<b>Fire class (EN 13501-1:2007 + A1:2009)</b>				
			Non-Combustible	<b>/ A1</b>
<b>Linear reheat shrinkage (EN 1094-6: 1999)</b>				
12 hours at 1000°C (1832°F)			%	<b>1,2</b>
<b>Thermal conductivity (EN993-14)</b>				
mean temperature	@	<b>200°C</b>	W/(m*K)	<b>0,18</b>
	@	<b>400°C</b>		<b>0,23</b>
	@	<b>600°C</b>		<b>0,26</b>
	@	<b>800°C</b>		<b>0,29</b>
<b>Chemical analysis, typical</b>				
			%	
Silicium dioxide		SiO <sub>2</sub>		<b>50,10</b>
Titanium oxide		TiO <sub>2</sub>		<b>0,94</b>
Ferric oxide		Fe <sub>2</sub> O <sub>3</sub>		<b>5,09</b>
Aluminium oxide		Al <sub>2</sub> O <sub>3</sub>		<b>7,40</b>
Magnesium oxide		MgO		<b>11,71</b>
Calcium oxide		CaO		<b>2,87</b>
Sodium oxide		Na <sub>2</sub> O		<b>0,17</b>
Potassium oxide		K <sub>2</sub> O		<b>13,29</b>
Loss on ignition 640 °C		LOI		<b>6,70</b>
<b>Colour</b>				<b>BEIGE</b>

Version 1 9-2014

Data average results of tests conducted under standard procedures and are subject to variation. Data contained in this data sheet are supplied in good faith as a technical service and are subject to change without notice. Misprint and errors excepted.