

# PIC<sup>®</sup> MICROPOROUS INSULATION BOARDS

PIC microporous board is a rigid, high integrity board offering superior insulation properties combined with good handleability

## TECHNICAL SPECIFICATION

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<b>Product Board</b>					
<b>Classification Temperature</b>		°C	<b>1000</b>	<b>1100</b>	
<b>Nominal Density</b>		kg/m <sup>3</sup>	280	300	
<b>Thermal Conductivity*</b>		200°C	W/m.K	0.022	0.028
*Core tested according to ASTM C 177 : 2013		400°C	W/m.K	0.023	0.029
		600°C	W/m.K	0.027	0.032
		800°C	W/m.K	0.034	0.037
<b>Specific Heat Capacity</b>		200°C	kJ/kg.K	0.86	0.93
		400°8	kJ/kg.K	0.94	0.96
		600°C	kJ/kg.K	0.96	1.02
		800°C	kJ/kg.K	0.99	1.07
<b>Linear Shrinkage</b>	24h full soak @ 950 °C	%	≤2.5	≤0.5	
<b>Linear Shrinkage</b>	24h full soak @1050 °C	%		≤2.5	

## BENEFITS

- Extremely low thermal conductivity over a wide temperature range
- Low in Shrinkage & weight with high thermal stability
- Inorganic, non-combustible & No harmful respirable fibers
- Environmentally Friendly

**Typical Application :** Furnace back up lining in all the type of melting, holding, reheating furnace. Also used in Regenerators, Transfer ladles, launders & many more areas.

Standard sizes available : 1000 x 600 x 7 - 50 mm thickness.

