



Product Data

8/05: 0580

INSBOARD 2300 HD

Classification: 2300 °F High Density Ceramic Fiber Board

	<u>English Units</u>	<u>SI Units</u>
Maximum Recommended Temperature	2300°F	1260°C
Continuous Use Limit	2100°F	1150°C
Melting Point	3200°F	1760°C
Color	White	
Nominal Density	26 lb/ft ³	0.42 g/cm ³
Modulus of Rupture psi (Fired)	<u>Lb/in²</u> 200	<u>MPa</u> 1.38
Compressive Strength (Fired)		
5% Deformation	35	0.28
10% Deformation	33	0.26
15% Deformation	32	0.26
Percent of Shrinkage		
24 Hrs. @ 2000 °F (1095°C)		2.3%
24 Hrs. @ 2300 °F (1260°C)		2.8%
LOI (% by weight)		6-7%
THERMAL CONDUCTIVITY		
At a Mean Temperature	<u>Btu-in/hr-ft²·°F</u>	<u>W/m·°C</u>
600°F (316°C)	0.62	0.09
1000°F (538°C)	0.85	0.12
1400°F (760°C)	1.45	0.16
1800°F (982°C)	1.55	0.22
CHEMICAL ANALYSIS - Calcined Basis		
Silica	(SiO ₂)	55.0%
Alumina	(Al ₂ O ₃)	43.0%
Other		2.0%

INSBOARD 2300 HD is a high density vacuum formed ceramic fiber board with excellent insulating characteristics, thermal stability, and machinability where special shaped boards are required. Its lightweight enables easy cutting and machining in the field. Applications include areas where high quality back up insulation is required.

The test data shown are based on average results on production samples and are subject to normal variation on individual tests. The test data cannot be taken as minimum or maximum values for specification purposes. ASTM test procedures used when applicable.

8/05 Dev.