INSBOARD 2300 HD

Product Data

8/05: 0580

Description: 2300°F High Density Ceramic Fiber Board
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.

Chemical Analysis: Approximate (Calcined Basis)	
Silica (SiO_2)	55.0%
Alumina (Al_2O_3)	43.0%
Other	2.0%

Physical Data (Typical)	
Maximum Service 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 (Fired)	200 lb/in.^{2} (1.38 MPa)
Percent Shrinkage	
24 hours at 2000°F (1095°C)	2.3%
24 hours at 2300°F (1260°C)	2.8%
Compressive Strength (Fired)	lb/in.^{2} (MPa)
5% Deformation	35 (0.28)
10% Deformation	33 (0.26)
15% Deformation	32 (0.26)
LOI (by weight)	6 - 7%
Thermal Conductivity	Btu·in/hr·ft^2·°F (W/m·°C)
At 600°F (316°C)	0.62 (0.09)
At 1000°F (538°C)	0.85 (0.12)
At 1400°F (760°C)	1.45 (0.16)
At 1800°F (982°C)	1.55 (0.22)

Note: This product is manufactured for ANH Refractories Company by a third party. The results reported herein have been supplied by the third party manufacture. The above data are reported as typical properties and should not be taken as establishing maximum or minimum specifications. The above data is not intended as a warranty of any kind.