

INSBOARD 2300 LD



Product Data

1/15: 0579

Description: 2300°F Low Density Ceramic Fiber Board

INSBOARD 2300 LD is a lightweight 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 ₂ O 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	14 to 20 lb/ft ³ (224 to 320 kg/m ³)
Modulus of Rupture (Fired)	80 lb/in. ² (552 kPa)
Percent Shrinkage at Use Limit	< 3.5%
Compressive Strength (Fired)	lb/in. ² (kPa)
10% Deformation	27.8 (192)
LOI (by weight)	3 to 7%
Thermal Conductivity	Btu · in/hr · ft ² · °F (W/mK)
At 700°F (371°C)	0.60 (0.09)
At 1200°F (649°C)	1.10 (0.16)
At 1700°F (927°C)	1.45 (0.17)

Note: This product is manufactured for HarbisonWalker International 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.