

Fiberfrax Duraboard 3000

Availability

Thickness	25mm, 38mm, 51mm (1", 1½", 2")
Sizes	457mm x 457mm (18" x 18") 610mm x 610mm (24" x 24") 610mm x 1219mm (24" x 48")

Other sizes available upon request.  
Contact Niagara Falls, N.Y.

Chemical Analysis % (Typical)

Al <sub>2</sub> O <sub>3</sub>	70
SiO <sub>2</sub>	26
L.O.I.	4-6

Typical Applications

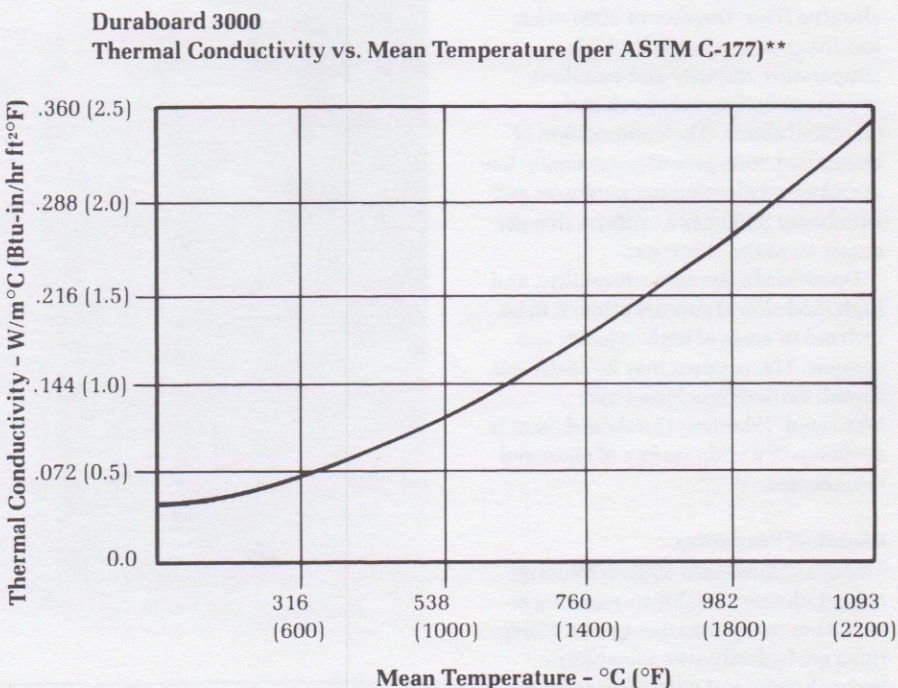
- Furnace lining hot face (ceramic kiln, box furnaces and petrochemical furnaces).
- Refractory back-up.
- High temperature baffles and muffles.
- Flue and chimney linings in furnaces and kilns.
- Glass tank side and endwall and port neck insulation.
- Combustion chamber construction.

Typical Physical Properties (continued)

Compressive Strength:	
Stress - As Received	Deformation
1.4 x 10 <sup>5</sup> N/m <sup>2</sup> (20 lb/in <sup>2</sup> )	5%
1.7 x 10 <sup>5</sup> N/m <sup>2</sup> (25 lb/in <sup>2</sup> )	10%
Fiber Content	50% Fibermax**
	50% High Purity Fiberfrax

\*The Continuous Use Limit of Fiberfrax insulation is determined by irreversible linear change criteria, not product melting point.

\*\*Fibermax is Carborundum's patented 1649°C (3000°F) polycrystalline, mullite fiber.



\*\*All heat flow calculations are based on a surface emissivity factor of .90, an ambient temperature of 27°C (80°F), and zero wind velocity, unless otherwise stated. All thermal conductivity values for Fiberfrax materials have been measured in accordance with ASTM Test Procedure C-177. When comparing similar data, it is advisable to check the validity of all thermal conductivity values and ensure the resulting heat flow calculations are based on the same condition factors. Variations in any of these factors will result in significant differences in the calculated data.



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