PTI Brick – 3000° Super Duty Firebrick and Tiles

PTI 3000° Super Duty Firebrick and Tiles are made of an excellent structural insulation material made to withstand high temperatures, abrasion and chemical attack.

- Structural Integrity
- Excellent thermal shock resistance
- Excellent strength at room and high temperatures
- Excellent resistance to alkali and chemical attack
- Excellent service in applications involving special atmospheres

Specifications

Composition	Alumina (Al_2O_3) Silica (SiO_2) Ferric Oxide (Fe_2O_3) Trace Elements	≥40% ≤55% ≤1.5% ≤1.0%
Density		135 lb/ft³ 2160 kg/m³
Apparent Porosity		24%
Maximum Operating Temperature		3000 ºF 1700 ºC
Cold Crush Strength		>2900 psi >20 MPa
Modulus of Rupture		1300 psi 9.0 MPa
Thermal Conductivity Btu-in/ft², hr, ºF (W/m-k)		4.16 (0.60) at 660°F
Permanent Linear Change		+0.2% -0.5% (at 2370°F for 2hrs)

Application Examples

Structural furnace components (walls, floors, roofs, etc.), furnace flues, furnace stacks, rotary kilns, graphitizing furnaces, charcoal furnaces, zinc galvanizing furnaces, carbon baking pit furnace flue walls and headwalls, air heaters, combustion chambers, blast furnace bottoms, glass tank lower checkers, boilers, and cyclones.

3464 Diablo Ave
Hayward, CA 94545
Fax (510) 781-0334

Toll Free (888) 604-9111
www.ptithermal.com

8533 Chetle Ave.
Santa Fe Springs, CA 90670
Fax (562) 789-0606