



Oreworld trade (Tangshan) co., Ltd.

Main introduction of the High alumina bricks

High alumina brick refers to fire brick containing Al_2O_3 more than 48%, which is made of high grade bauxite through high temperature calcinations. High alumina brick is a kind of neutral refractory material so that it enjoys excellent resistance to acid and alkali corrosion. It has characteristic of high refractoriness under load, which decide high alumina brick is a n ideal material for various kinds of industrial furnace. It is widely used in building lining of hot-blast stove, blast furnace, coke oven, rotary kilns of cement and so on. Find it at great [high alumina fire bricks manufacturers](#).

Characters of High alumina bricks

1. Excellent thermal stability
- 2 High refractoriness under load
- 3 Chemical stability and anti-corrosion
- 4 Small high temperature creep rate
- 5 Excellent thermal shock resistance.

Technical Index for High alumina Bricks

Index		Item			
		LZ-70	LZ-65	LZ-55	LZ-48
Al_2O_3 ,% \geq		70	65	55	48
Refractoriness, $^{\circ}C \leq$		1790		1770	1750
0.2Mpa refractoriness under load, $^{\circ}C \leq$		1520	1500	1470	1420
Reheating linear change, %	1500 $^{\circ}C$, 2h	+0.1 -0.4			-
	1450 $^{\circ}C$, 2h	-			+0.1 -0.4
Apparent porosity, % \leq		23		22	
Compress strength, MPa \geq		53.9	49.0	44.1	39.2

Applications of High alumina bricks

Building materials for blast furnace
Building materials for hot-blast stove
Building materials for coke oven
Building materials for steel making furnace
For steel ladle

High alumina bricks packing

High Alumina Bricks are packed on wooden pallet and then polyethylene film is placed over them, finally the package is tied up with steel strips.