

CCEWOOL® DEHA Series High Alumina Refractory Brick

Description:

High alumina refractory brick is a kind of neutral refractory material with aluminum content more than 48%. High alumina refractory brick is made through calcination and molding from bauxite and other raw materials with high content of alumina. According to different content of alumina in high alumina brick, its fire resistance, refractoriness under load, compressive strength and other indicators are varied.

Characteristics:

High refractoriness, high refractoriness under load, good thermal shock resistance, acid resistance, alkali resistance, peeling off resistance, erosion resistance and low high temperature creep rate and good strength under high temperature.

Application:

High alumina bricks characterized with high thermal stability, high refractoriness above 1770 degrees, good slag resistance, mainly used for electric furnace top, shaft furnace, hot blast furnace, ladle, molten iron, cement kiln, glass kiln and other thermal furnace lining. Widely used in iron making, steel making, chemical industry, cement and other industries.

Technical data and Size:

CCEWOOL® DEHA Series High Alumina Refractory Brick				
Item	DEHA48	DEHA55	DEHA65	DEHA75
Bulk Density(g/cm ³)	2.25	2.35	2.55	2.65
Refractoriness under Load (°C) ≥	1420	1470	1500	1520
Linear Change (%)	1450°C	1500°C	1500°C	1500°C
(2h)	-0.5	-0.5	-0.5	-0.5
Porosity (%) ≤	22	22	23	23
Cold Crushing Strength, MPa	39.2	44.1	49	53.9
Thermal Shock Resistance	≥20	≥20	≥20	≥20
Water Cold(Cycle)				
Al ₂ O ₃ (%) ≥	48	55	65	75
Fe ₂ O ₃	<2.0	<1.8	<1.8	<1.5
Common size	230x114x65/75mm			