

CCEWOOL® LHA Series Insulating Fire Brick

Description:

High-alumina lightweight brick is commonly known as high-aluminum heat insulating brick. Alumina content is 48% or more, lightweight refractory material mainly composed of mullite and corundum or glass phase. Its essential function is heat insulation, under normal operation usually do not contact directly with the temperature of the furnace. It is a kind of refractory brick, which is close to the furnace wall and has the function of heat insulation and heat preservation.

Characteristics:

Good thermal shock resistance.
Lightweight refractory material
Good thermal stability

Application:

Sometimes industrial alumina bauxite may also be used in place of some alumina clinker. High alumina bricks are used for lining and heat insulation layer of the kiln, as well as the areas where there is no intense high temperature melt material erosion. When directly contact with flame, the surface contact temperature shall not be over 1350C.

Technical data and Size:

CCEWOOL® LHA Series insulating Fire brick							
Item	LHA10	LHA09	LHA08	LHA07	LHA06	LHA05	LHA04
Al ₂ O ₃	≥48%						
Fe ₂ O ₃	≤2%						
Density (g/cm ³)	1.0	0.9	0.8	0.7	0.6	0.5	0.4
Compressive strength (MPa)	4	3.5	3.0	2.5	2.0	1.5	0.8
Linear change Cx12h (%)d	1400	1400	1400	1350	1350	1250	1250
Thermal conductivity W/(m.k) 350±25°C	0.5	0.45	0.35	0.35	0.3	0.25	0.2

Note: according to the user's requirements, the product technical indicators can be higher than above table column.

