

CCEWOOL® CCEFIRE series High Alumina Brick

Description:

CCEWOOL® CCEFIRE series high alumina brick is a kind of neutral refractory material, whose AL₂O₃ content is usually above 48%. It is made by burning bauxite or other material that with high AL₂O₃ content. Its refractoriness is usually above 1770 °C. Enjoying excellent thermal shock resistant and slag resistance, it is used for building electric furnace in steel industry, glass melting furnace and cement rotary furnace.

Characteristics:

Low creep
High thermal storage
Good compressive strength under high temperature
Excellent thermal shock resistance

Application:

Cement and glass furnace
Petroleum and refining
Chemical industry
Electric power industry

Technical data and Size:

CCEWOOL® CCEFIRE series High Alumina Brick				
Item	SK35	SK36	SK37	SK38
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			