

Fire Clay Brick

Description

REF – SK Brick include a comprehensive range of fire clay brick consisting of 35–50% alumina, which exhibit excellent strength. For more arduous environments we offer a hard fired "Super duty" fire clay brick with a very high mechanical strength.

The firebrick range is based upon flint clay giving it both a low iron and low alkali characteristic, resistance to thermal shock, abrasion, chemical attack and reducing atmospheres are just some of the key criteria determining choice of product within each application.

Classifications

REF - SK 32

REF - SK 34

REF - SK 36

Features

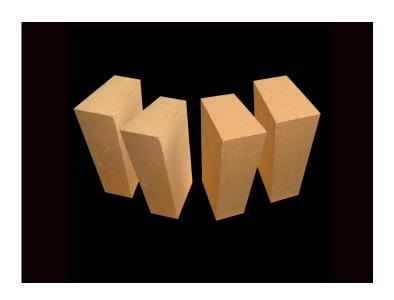
Low thermal conductivity
Excellent compress strength
Excellent thermal shock resistance

Applications

Carbon bake furnaces in the aluminium industry Preheat zones and cyclones of rotory cement kilns Coke ovens Blast furnaces Suspended roodfs Lime kilns

Specifications

 $64\times114\times230\text{mm}$ $76\times114\times230\text{mm}$ Other specification is available according to customer's requirement.



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Classification	SK 32	SK 34	SK 36
Refractoriness (SK/°C)	1710	1750	1790
Bulk Density (g/cm3)	2.1	2.2	2.3
Refractoriness under Load	1300	1350	1450
0.2Mpa, Ta, (°C)			
Porosity (%)	19-22	19-23	20-24
Cold Crushing Strength			
(Mpa)	30	25-30	45
Thermal Expansion			
at 1000°C (%)	0.6	0.6	0.3
Chemical Composition (%)			
Al ₂ O ₃	35	40	50
Fe ₂ O ₃	3.0	2.5	2.0