

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 rotary cement kilns
Coke ovens
Blast furnaces
Suspended roofs
Lime kilns

Specifications

64 x 114 x 230mm
76 x 114 x 230mm
Other specification is available according to customer's requirement.



Classification	SK 32	SK 34	SK 36
Refractoriness (SK/°C)	1710	1750	1790
Bulk Density (g/cm ³)	2.1	2.2	2.3
Refractoriness under Load 0.2Mpa, Ta, (°C)	1300	1350	1450
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