

# High Alumina Refractory Brick Fire Clay Silica Checker Brick For Steel Furnaces with Low Creep Rate

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#### **Basic Information** • Place of Origin: Zhengzhou ,China • Brand Name: Rongsheng Xinwei Certification: ISO9001 RS-48, RS-55, RS-65, RS-75, RS-80 Model Number: • Minimum Order Quantity: 1 Ton • Price: 200-800USD Packaging Details: packed on wooden pallets, with water-proof cover, and tightened with plastic/steel bandages

20-30DAYS

- Delivery Time:
- Payment Terms: TT; L/C
- Supply Ability: 2000tons /month

# **Product Specification**

Application Temperature:	1300-1700
Chemical Composition:	Al2O3≥70%, SiO2≤25%, Fe2O3≤2.5%
Color:	Red, Brown, Grey, Etc.
Compressive Strength:	≥50Mpa
<ul> <li>Density:</li> </ul>	2.0-3.2g/cm3
<ul> <li>Material:</li> </ul>	High Alumina Refractory Brick
<ul> <li>Packaging:</li> </ul>	Carton, Wooden Pallet
<ul> <li>Porosity:</li> </ul>	≤20%
<ul> <li>Refractoriness:</li> </ul>	≥1700
Refractoriness Under Load	:≥1450
• Shape:	Square, Rectangle, Column, Arch, Etc.
• Size:	Customized
<ul> <li>Softening Point:</li> </ul>	≥1450
<ul> <li>Thermal Expansion:</li> </ul>	≤0.5%
The second Observation Descriptions	Oral

• Thermal Shock Resistance: Good

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# **Product Description**

Description For High Alumina Refractory Brick Fire Clay Silica Checker Brick For Steel Furnaces with Low Creep Rate

Refractory Checker Bricks are made from silica, clinker clay or bauxite by mixing, forming, drying, sintering, and proportioning. The checker brick is a kind of heat-exchange capacity, large heat storage area, smooth ventilation, low resistance and other heat-carrying heat storage body, with good volume stability, high temperature creep performance, high density and low porosity and other excellent characteristics.

According to the structure, there are 7, 9, 19, 31 and 37-hole high-efficiency checker bricks, and the materials are silica, clay, high alumina, etc. The size is precise, providing kinds of shapes according to customer's drawing





Features of High Alumina Refractory Brick Fire Clay Silica Checker Brick For Steel Furnaces with Low Creep Rate High refractoriness.
 Good spalling resistance and wear resistance.
 Good corrosion resistance.
 Good thermal shock resistance.

- 5. High mechanical strength.
   6. High-temperature creep rate is low.

# Applications For High Alumina Refractory Brick Fire Clay Silica Checker Brick For Steel Furnaces With Low Creep Rate

Metallurgy, chemical industry, petroleum, machinery manufacturing, silicate, power and other industries.

- 1. Steel furnaces, blast furnace, hot blast furnace
- 2. Iron making furnaces
- 3. Glass kiln
- 4. Ceramic tunnel kiln
- 5. Cement kiln 6.Flame furnace

### Product Specification of Low Creep Rate Refractory Checker Brick

Item		Properties			
		RS-80	RS-75	RS-65	RS-5
Al2O3 (%)		80	≥75	≥65	≥55
Refractoriness (°C)		≥1790	≥1790	≥1790	≥177
Bulk density (g/cm3)		2.65	2.5	2.45	2.4
Softening temperature under load (°C)		1530	≥1520	≥1500	≥147
ReheatingLinear Change Rate (%)	1500°CX2H	0.1	0.1	0.1	0.1
	1450°CX2H	-0.4	-0.4	-0.4	-0.4
Apparent porosity (%)		22	≤23	≤23	≤22
Cold crushing strength (Mpa)		55	≥50	≥45	≥40
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