



Refractory material manufacturer



LUOYANG SHENGJIE REFRACTORY MATERIAL CO.,Ltd.

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WIN-WIN COOPERATION AND INNOVATION

Company Introduction

Company profile

Luoyang Shengjie Refractory Materials Co., Ltd. is a company specializing in the production of refractory materials. It was established in 1998 and has invested in six factories in Henan Province. Its 25 years of production experience and 10 years of export experience will not let you down.

Luoyang Shengjie has strong technical strength, advanced process equipment, complete testing methods, strict process control, and stable product quality.

The company has an experienced professional construction team to carry out on-site construction, providing users with high-quality services .

Luoyang Shengjie Refractory Co., Ltd. adhere to the purpose of providing high quality and efficient service, customer-oriented, excellent service as the core, for customers to tailor cost-effective products!

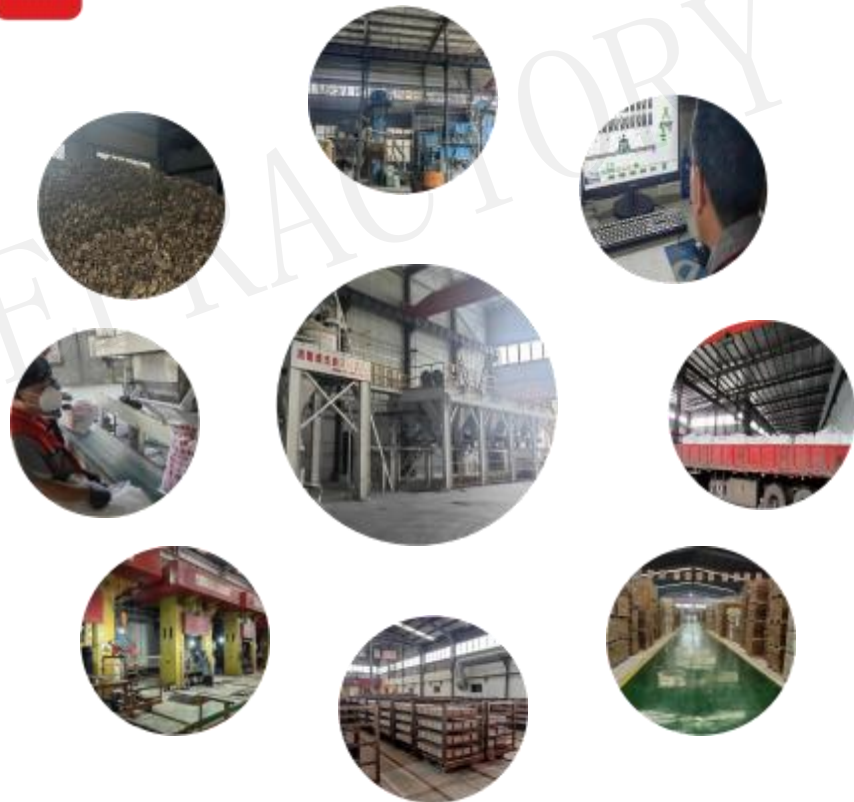
Refractory
castables

Refractory
bricks

insulation
materials



Factory strength



Company Profile



ABOUT US

1

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2

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3

Luoyang Shengjie has advanced process equipment, complete testing methods, strict process control, and stable product quality.

4

The main products include: unshaped refractory materials, aluminum refractory bricks, magnesia refractory bricks, insulation materials, etc.

5

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Company Profile



company introduction

The company was founded in the early 1990s. Mainly engaged in refractory bricks, refractory castables, refractory cement, insulation materials, etc.



company introduction

The products are widely used in various high-temperature kilns in metallurgy, machinery, petroleum, chemical industry, building materials and other industries.



PROFESSIONS TESTING EQUIPMENT



Liquidity test



Pressure test



Drying box



High temperature
experimental furnace

product description

Refractory castable



Insulation Materials



Refractory bricks



Refractory accessories



Refractory Castable

product name	For cement kiln mouth			coal injection pipe for cement kiln	
model name	CB-18	GY-18	SY-18	GR-17	SR-17
Al ₂ O ₃ +SiO ₂ (%)	75	70	68	75	65
Density(g/cm ³)	2.90	2.80	2.70	2.90	2.70
Cold crushing strength after Drying at 110°C (MPa)	≥90	≥80	≥80	≥90	≥80
Modulus of rupture after Drying at 110°C(MPa)	≥10	≥10	≥8	≥10	≥8
Reheat test ,Permanent linear change After heating at 1100°C(%)	±0.2	±0.2	±0.0	±0.2	±0.2
Maximum service temperature (°C)	1700	1700	1700	1700	1700



Refractory Castable

product name	Corundum castable	Silicon carbide castable	Mullite castable	High aluminum castable
model name	CP-16	GC-16	M-16	G-16
Al ₂ O ₃ +SiO ₂ (%)	70	65-70	65	65
Density(g/cm ³)	2.70	2.50	2.70	2.50
Cold crushing strength after Drying at 110°C (MPa)	≥80	≥80	≥80	≥70
Modulus of rupture after Drying at 110°C(MPa)	≥8	≥8	≥8	≥10
Reheat test ,Permanent linear change After heating at 1100°C(%)	±0.2	±0.3	±0.3	±0.3
Maximum service temperature (°C)	1600	1500	1500	1500



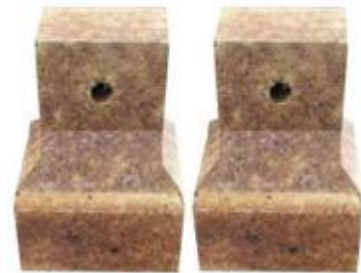
Refractory Brick

product name	High alumina brick			
model name	TLZ-80	TLZ-75	TLZ-65	TLZ-55
Al ₂ O ₃ (%)	≥80	≥75	≥65	≥55
Density(g/cm ³)	≥2.65	≥2.5	≥2.3	≥2.2
Normal temperature compressive strength(MPa)	≥70	≥70	≥65	≥60
Load softening temperature (°C)	≥1510	≥1500	≥1460	≥1400
Apparent porosity(%)	≤22	≤23	≤23	≤24



Refractory BRICK

product name	Silica molybdenum brick	
model name	AMZ- 1650	AMZ- 1550
Al ₂ O ₃ (%)	60	55
SiO ₂ +SiC(%)	30	35
Density(g/cm ³)	2.55	2.45
Apparent porosity(%)	19	20
Normal temperature compressive strength(MPa)	85	80
Load softening temperature (°C)	1600	1550
Refractory temperature (°C)	1790	1790
Thermal vibration stability (100. C water cooling)	10	10



Refractory BRICK

product name	Clay insulation bricks		
model name	SJ-2	SJ-3	SJ-4
Density(g/cm ³)	1	0.8	0.6
Refractory temperature (°C)	1500	1470	1450
Thermal Conductivity	0.45	0.35	0.25
Normal temperature compressive strength(MPa)	3.5	2.5	1.3



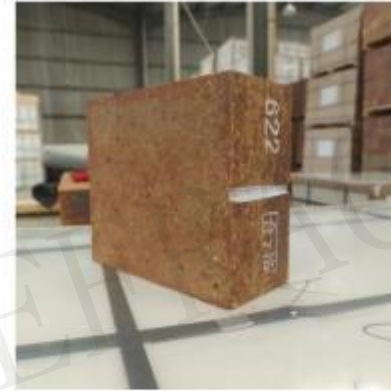
Refractory Brick

product name	Magnesia spinel brick
MgO(%)	≥84
Al ₂ O ₃ (%)	3-5
Fe ₂ O ₃ (%)	4-6
Density(g/cm ³)	≥2.95
Apparent porosity(%)	≤19
Normal temperature compressive strength(MPa)	≥55
Load softening temperature (°C)	≥1700
Thermal vibration stability (950。 C air cooling)	≥100

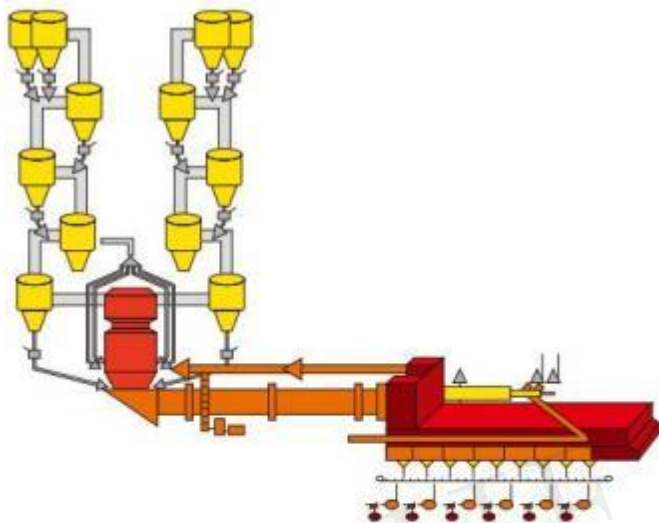


Insulation Materials

product name	Magnesia-aluminum spinel brick	
model name	Type A	Type B
MgO(%)	≥85	≥82
Al2O3(%)	≥9	≥9
Density(g/cm³)	≥2.95	≥2.9
Apparent porosity(%)	≤18	≤19
Normal temperature compressive strength(MPa)	≥55	≥15
Load softening temperature (°C)	≥1700	≥1700
Thermal vibration stability (950. C air cooling)	≥100	≥100



Recommended configurations of refractories for cement kiln



工艺部位 Position		窑衬耐火材料材质及型号 Recommended refractories	
		正常负荷条件下 Under normal load conditions	严重负荷条件下 Under severe load conditions
一、回转窑 Rotary kiln	前窗口 Front kneeys	窗口专用浇注料 HD-18	板状刚玉浇注料 HD-18K
	上过渡带 Upper transition zone	硅莫砖 AZM-1680 或 HD-9 特高耐磨砖	柔性复合砖 HD-4 HD-5
	烧成带 Calcining zone	高铝结合镁铬砖 DMC-4 DMC-6	高铝结合镁铬砖 DMC-8A DMC-9B 或硅钡尖晶石砖
	下过渡带 Lower transition zone	硅莫砖 AZM-1680	硅钡尖晶石砖或 HD-8 节能型耐磨砖
	预热带 Preheating zone	高铝型耐碱砖 PK-H	硅莫砖 AZM-1680 或 HD-8 节能型耐磨砖
	后窗口 Rear kneeys	窗口专用浇注料 HD-18 HD-19	板状刚玉浇注料 HD-18K
二、燃烧器 Burner		喷煤管专用浇注料 HD-16P HD-17P	喷煤管专用浇注料 HD-16P
三、篦冷机 Grate cooler		高铝石灰水泥浇注料 HD-16K	高铝石灰水泥浇注料 HD-16K

New dry-process cement rotary kiln for recommended configurations of refractories

Position	Recommended refractories			
	1000/2-1000/4	2000/4-6000/4	2800/4-3000/4	700/4-1000/4
1. Preheate	High strength alkali resistant castable Anti-sliming castable Fault type alkali-resistant bricks	High strength alkali resistant castable Anti-sliming castable High strength alkali-resistant bricks	High strength alkali resistant castable Anti-sliming castable High strength alkali-resistant bricks	High strength alkali resistant castable Anti-sliming castable Fault type alkali-resistant bricks
2. Decompose furnace	High alumina and low cement refractory castable Anti-flaking high alumina bricks	High alumina and low cement refractory castable Anti-flaking high alumina bricks	High strength alkali resistant castable Anti-flaking high alumina bricks	High strength alkali resistant castable Fault type alkali-resistant bricks
3. Tertiary storage	Special castable for tertiary air duct Silicon molybdenum brick	Special castable for tertiary air duct Silicon molybdenum brick	Special castable for tertiary air duct High strength alkali-resistant bricks	Special castable for tertiary air duct High strength alkali-resistant bricks
4. Rotary kiln	Front entrance	Special castable for kiln mouth Platy corundum castable	Special castable for kiln mouth Steel fiber reinforced refractory castable	Special castable for kiln mouth Steel fiber reinforced refractory castable
	Upper transition zone	Silicon molybdenum brick Special high wear-resistant bricks	Silicon molybdenum brick Special high wear-resistant bricks	Silicon molybdenum brick Special high wear-resistant bricks
	Slivering zone	Alumina spinel brick	Alumina spinel brick	Alumina spinel brick
	Down transition zone	Alumina spinel brick Energy-saving	Alumina spinel brick Energy-saving	Alumina spinel brick Energy-saving
	Safety zone	Silicon molybdenum brick Energy-saving wear-resistant bricks	Silicon molybdenum brick Energy-saving wear-resistant bricks	Anti-flaking high alumina bricks Anti-flaking high alumina bricks
5. Burn hood	Back entrance	Special castable for kiln mouth Platy corundum castable	Special castable for kiln mouth Steel fiber reinforced refractory castable	Special castable for kiln mouth Steel fiber reinforced refractory castable
	5. Burn hood	Anti-flaking high alumina bricks Anti-flaking high alumina bricks	Anti-flaking high alumina bricks Anti-flaking high alumina bricks	Anti-flaking high alumina bricks Anti-flaking high alumina bricks
6. Cooling machine	Anti-flaking high alumina bricks	Anti-flaking high alumina bricks	Anti-flaking high alumina bricks	Anti-flaking high alumina bricks

Insulation Materials

ITEM		SJ23	SJ26	SJ28	SJ30
CLASSIFICATION TEMPERATURE		1260°C	1430°C	1540°C	1630°C
BULK DENSITY		≤0.6g/cm ³	≤0.8g/cm ³	≤0.88g/cm ³	≤1.03g/cm ³
COLD CRUSHING STRENGTH		≥1Mpa	≥1.5Mpa	≥2Mpa	≥2.5Mpa
MODULUS OF RUPTURE		≥0.9MPa	≥1MPa	≥1.5MPa	≥1.8MPa
PERMANENT LINEAR CONTRACT		1230°C ≥-0.1	1400°C ≥-0.2	1510°C ≥-0.4	1620°C ≥-0.7
THERMAL	400°C	0.14	0.27	0.32	0.41
CONDUCTIVITY	600°C	0.16	0.29	0.34	0.43
W/M.K	800°C	0.18	0.31	0.36	0.44



Insulation Materials



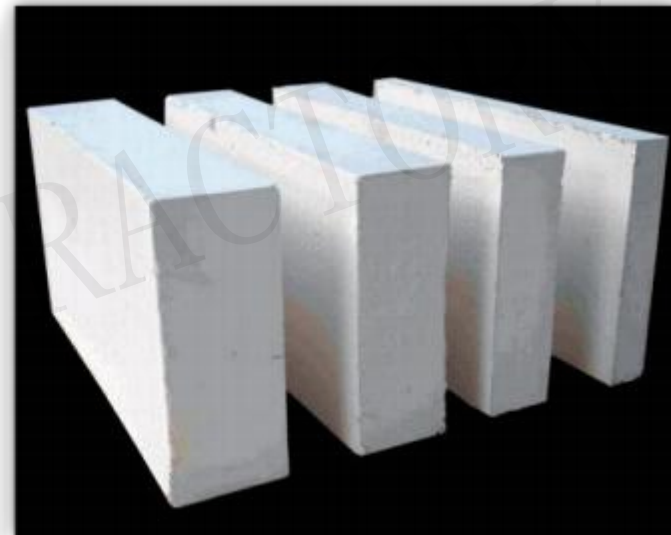
Aluminum silicate fiber blanket

Aluminum silicate fiber blanket products have low thermal conductivity, low heat capacity, and do not contain any binders; they have excellent thermal stability, sound absorption and shock resistance; they can still maintain good tensile strength, toughness and fiber structure when used for a long time in neutral and oxidizing atmospheres.



Nano heat insulation board

Nano thermal insulation material is a new product made from special inorganic refractory nano powder and applied the latest nano technology. At high temperatures, its thermal insulation performance is more effective than traditional insulation materials.



Asbestos-free calcium silicate

The main raw materials of calcium silicate boards are calcium oxide and large circulation quartz blocks. The most popular hydrothermal dynamic synthesis method in the world is selected to ensure the quality and performance of the synthetic materials are stable and consistent.

Insulation Materials



Rock wool and rock wool products

Rock wool uses basalt (slag) as the main raw material. It is melted in a high-temperature furnace and made into inorganic fibers by high-speed centrifugal equipment. Then special binders and dust-proof oil are added and felted through a swing belt, and the fiber arrangement structure is changed through special equipment. A new type of lightweight thermal insulation material that is finally cured and shaped.

Refractory accessories

product name		anchor
chemical composition (%)	C	0.08
	Ni	8.1
	Cro	17.32
	Mn	1.9
	Cu	0.2
	S	0.03
	Si	1
	P	0.035
	Ti	0



WIN-WIN COOPERATION AND INNOVATION

**CROWNED PRODUCT
MADE IN SHENGJIE**

CONSTANT PRODUCT INNOVATION

Luoyang Shengjie refractory material co.,LTD.,in the process of development,adhere to introspection,pioneering and innovative,constantly optimize the,to create enterprise core competitive advantages,adhere to the studious work attitude,stick to the disinterested work credo,guided by the results promise never-say-die spirit of professional discipline,for many years won the AAA credit enterprise of China product quality quality brands such as the honorary title,and through ISO9001 quality management certification system,the company will continue to forge ahead,create new brilliance.

CERTIFICATESHOWING



Product service



Luoyang Shengjie Refractory Materials Co., Ltd. is a comprehensive refractory company integrating production, trade and engineering services. The company has an experienced professional construction team to carry out on-site construction, providing users with high-quality services and gaining users' unanimously praised.

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