



荣盛耐材
Rongsheng Refractory

郑州荣盛窑炉耐火材料有限公司
Zhengzhou Rongsheng Kiln Refractory Co.,Ltd.

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Company Profile

公司概况 >>

诚信赢得市场 **科技创造未来**
Honesty And Credibility Win The Market Science And Technology Create The Future



- + 郑州荣盛窑炉耐火材料有限公司位于中原腹地嵩山脚下，郑少高速中段的新密市境内，毗邻陇海、京广两大铁路干线，交通极为方便，境内资源丰富，品质优良，为耐火材料生产提供了优越天然条件。
- + 公司始建于九十年代初，经不断创新发展，现已形成了冶金、建材、电力、化工等行业用耐火材料生产综合性企业。主要产品有：各种工业炉用系列耐火材料，高铝砖、锚固砖、粘土砖、轻质保温砖、高强硅藻土砖、低铁莫来石砖、硅砖等，各种工业炉蓄热室用蓄热球(φ 18mm、0-60mm不等)及特种钢玉质蓄热球、蜂窝体等，并配有蓄热体档砖、出钢槽滑道砖等；水泥行业用抗剥落高铝砖、耐碱砖、磷酸盐砖等；工业炉和发电锅炉行业用各种牌号耐磨砖、刚玉砖、莫来石砖等定型产品和耐磨浇注料、刚玉浇注料、低水泥高强浇注料、防渗料、自流料、可塑料、各种牌号耐火泥等不定型材料。产品遍销全国并出口印度、伊朗等国家。
- + 荣盛公司秉承“诚信、谦和、创新、拼搏”的企业理念，把“以人为本”作为企业发展的基石，以“追求卓越”为企业核心价值观，将创立“荣盛品牌”作为企业战略目标。并以科学的管理流程、健全的客户信息管理系统、丰富的产品类型，为我们的用户提供满意、及时、高效的服务。

Zheng zhou Rong sheng Refractory Material CO ., LTD is located in the hinterland of Central Plains, lies at the foot of Song shan Mountain, and adjacent to Zheng Shao Highway, Longhai and Jingguang railways. The convenient transportation, abundant resources and high quality minerals provide favorable conditions for the production of refractory materials.

Established in the early nineties of twenty century, with continuous innovation and development, now it is a comprehensive enterprise in refractory material industry, covering metallurgy, building materials, electric power, chemical industry etc.

Our main products: refractory material for industrial furnaces, such as high-alumina brick, clay brick, silicon brick, high-strength diatomite brick, light weight insulation brick, low iron mullite brick, etc; anti-stripping alumina brick, alkali proof brick, phosphate brick for cement industry; For the industrial furnace and power boiler, we can provide Various Series of abrasive bricks, corundum brick, mullite brick, wear resistant castable, corundum castable, high strength low cement castable, impervious material, plastic refractory, etc. Our products are popular in the whole country and have been exported to India, Iran, etc.

Rong sheng company adhering to the “integrity, innovation, hard work, and” business philosophy, the “people-oriented” as the cornerstone of enterprise development, to “the pursuit of excellence” as the core values of the enterprise, will create “Rongsheng Brand” as a corporate strategic objectives. and Product types rich scientific management processes, improve customer information management system, timely, efficient, to provide satisfactory service to our users.

Technical Advantages

技术优势 >>

检测设备

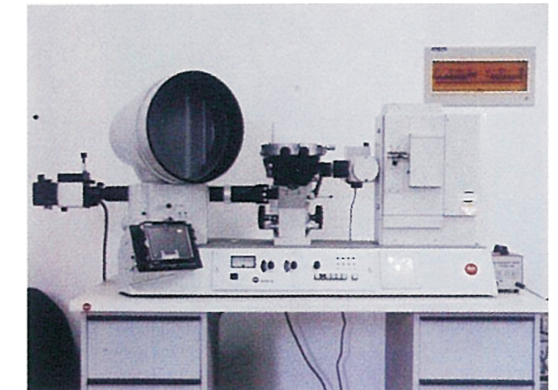
Checkout Equipment



高温蠕变分析
High temperature load testing machine analyzer

化学分析
Chemical analysis

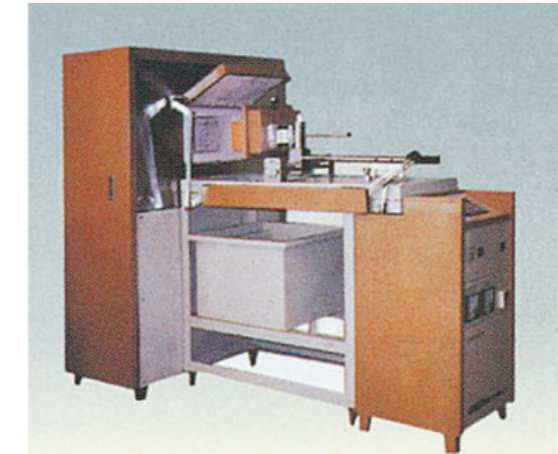
研发检测中心
Research and Testing Center



大型图像分析金相显微镜
Large-scale image analysis microscope



Compressive strength



抗热震试验仪
Thermal shock resistance tester furnace



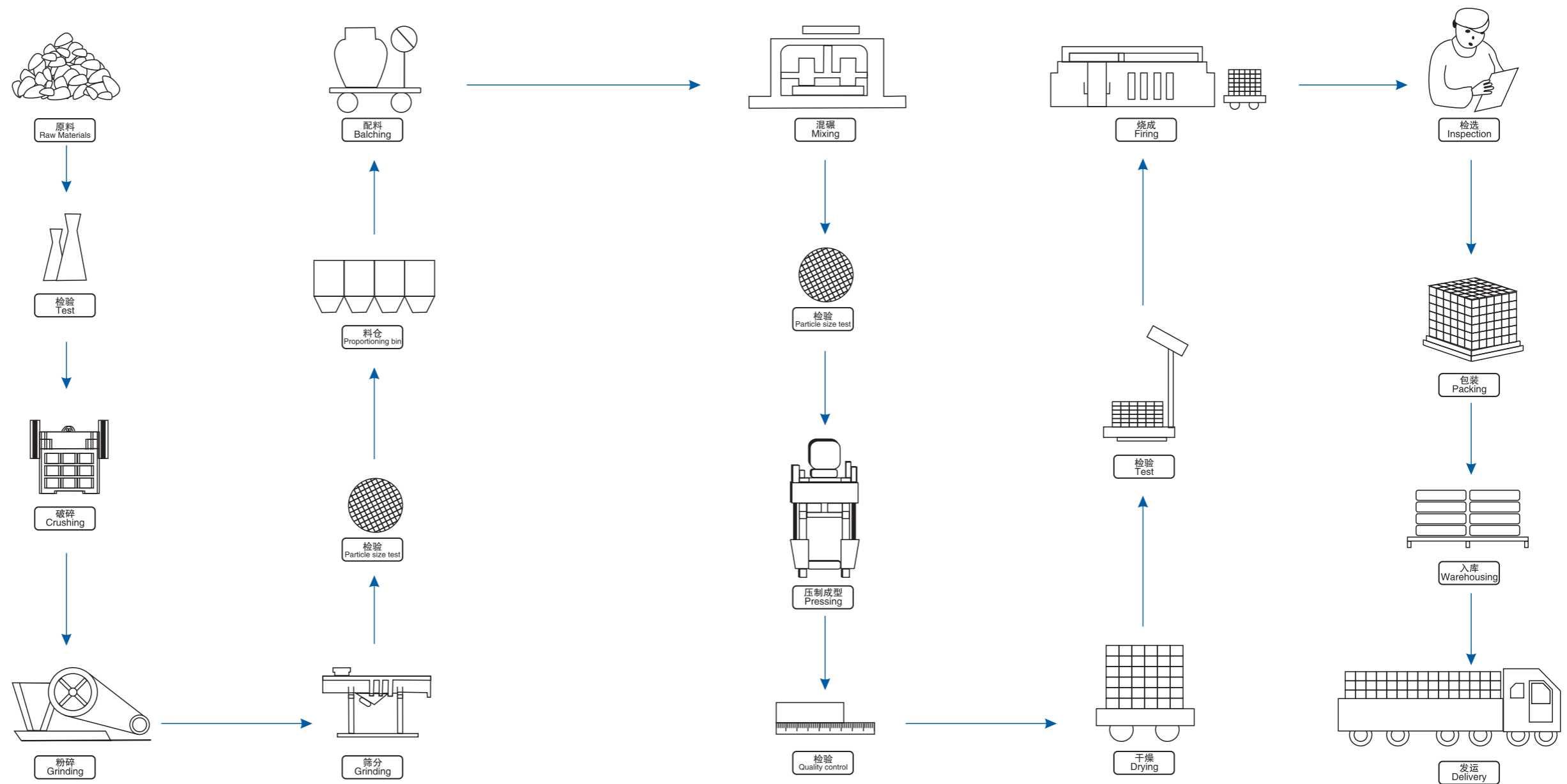
高温荷重软化蠕变试验仪
High Temperature load testing machine analyzer



压力试验机
Stress testing machine

Process Flow

工艺流程 >>



Production Facilities

生产设备 >>



成型车间
Molding workshop



成型车间
Molding workshop



自动上料车间
Automatic feeding workshop



环保节能超高温隧道窑
Environmental protection and Energy saving ultra-high temperature tunnel kiln



高温隧道窑
High temperature tunnel kiln



Main Products

主要产品 >>

Refractories for iron and
steel industry,
 non-ferrous 钢铁行业用耐火材料

Refractories for
Cement
 Industry 水泥行业用耐火材料

Refractories For
Ceramic&Glass
 陶瓷玻璃窑炉用耐火材料

Refractories
 For the **power**
 industry 电力行业用耐火材料

Refractories for
Metallrgy Petrochemical



硅莫砖
 Solica-mullite bricks



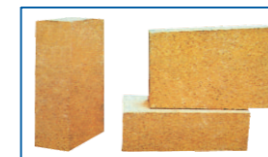
抗剥落高铝砖
 Anti-spalling high alumina bricks



特种磷酸盐砖
 Special phosphate brick



高强耐碱砖
 High-strength alkali-resistant brick



粘土砖
 Clay brick



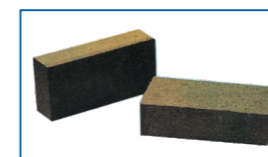
高铝砖
 Alumina brick



磷酸盐结合高铝砖
 Phosphate bonded high alumina bricks



耐磨砖
 Wear-resistant brick



镁砖
 Magnesia brick



电熔半再结合镁铬砖
 Fused Semi-bonded Magnesia-Chrome Brick

Main Products

主要产品

镁铬砖系列

Magnesia-Chrome Brick Series

电熔再结合镁铬砖

Fuse-Rebonded Magnesia-Chrome Bricks

产品特点:

电熔再结合镁铬砖是采用电熔法合成镁铬尖晶石为主要原料,经过高压成型、高温烧结而制成的一种抗侵蚀性能特别优异的高档产品。

Features:

Rebonded magnesia chrome bricks of synthesis method is adopted fused magnesite chrome spinel as the main raw material,after high-pressure forming,high temperature sintering made a good erosion resistance performance of high-grade produces excellent special.

指标 Index	RS-FRM Ge-12	RS-FRM Ge-14	RS-FRM Ge-16	RS-FRM Ge-18	RS-FRM Ge-20	RS-FRM Ge-22	RS-FRM Ge-26
MgO (%) ≥	68	65	60	58	55	50	45
Cr ₂ O ₃ (%) ≥	12	14	16	18	20	22	26
SiO ₂ (%) ≤	1.2	1.4	1.4	1.5	1.5	1.5	1.5
显气孔率(%) ≤ Apparent Porosity	16	16	16	16	16	16	16
体积密度(g/cm ³) ≥ Bulk Density	3.00	3.05	3.08	3.10	3.15	3.20	3.25
常温耐压强度(MPa) ≥ Cold Crushing Strength	50	50	50	50	50	50	50
荷重软化温度(T _{0.6} , °C) ≥ Refractoriness Under Load	1700	1700	1700	1700	1700	1700	1700

直接结合镁铬砖

Direct Combination Of Mg-Chrome Bricks

产品特点:

采用高纯镁砂和铬精矿为主要原料,经高压成型,高温烧结制成,具有抗侵蚀、耐高温等特点适用于有色、钢铁等高温窑炉。

Features:

With high purity magnesia and chrome ore as raw materials,high-pressure molding,high-temperature sintering,with anti-corrosion,high temperature and other characteristics suitable for nonferrous metals,steel and other high-temperature furnace.

项目 Item	MgO (%) ≥	Cr ₂ O ₃ (%) ≥	SiO ₂ (%) ≥	显气孔率(%) ≤ Apparent Porosity	体积密度(g/cm ³) ≥ Bulk Density	常温耐压强度(MPa) ≥ Cold Crushing Strength	0.2MPa荷重软化开始温度(°C) ≥ 0.2MPa Refractoriness Under Load
RSZMGe-20A	55	20	1.5	18	3.12	40	1700
RSZMGe-20B	52	20	2.5	19	3.10	40	1650
RSZMGe-20C	50	20	3.0	20	3.10	40	1600
RSZMGe-18A	58	18	1.5	18	3.10	40	1700
RSZMGe-18B	55	18	2.5	19	3.08	40	1650
RSZMGe-18C	52	18	3.0	20	3.05	40	1600
RSZMGe-16A	60	16	1.5	18	3.08	40	1700
RSZMGe-16B	57	16	2.5	19	3.05	40	1650
RSZMGe-16C	54	16	3.0	20	3.05	40	1600
RSZMGe-12A	70	12	1.5	18	3.05	45	1700
RSZMGe-12B	67	12	2.5	19	3.0	40	1650
RSZMGe-12C	63	12	3.0	20	3.0	40	1600
RSZMGe-8A	75	8	1.5	18	3.0	45	1700
RSZMGe-8B	72	8	2.5	19	2.95	40	1650
RSZMGe-8C	70	8	3.0	19	2.95	40	1600

Main Products

主要产品

烧结镁铬砖 Sintered Magnesia-Chrome Brick

产品特点:

烧结镁铬砖是采用一级镁砂和普通铬矿, 经过高压成型, 高温烧结而制成的一种普通碱性产品, 该产品具有较好的高温性能和抗渣侵蚀性能。

Product features:

Sintering of mg-chrome bricks is in a first magnesia and ordinary chromium ore, after high-pressure forming, temperature sintering made an ordinary alkaline products, the products have a good high temperature performance and slag erosion performance.

项目 Item	指标 Index	RSMGe-18	RSMGe-16	RSMGe-12	RSMGe-8
MgO (%)	≥	45	50	55	60
Cr ₂ O ₃ (%)	≥	18	16	12	8.0
显气孔率(%) Apparent Porosity	≤	22	22	20	20
体积密度(g/cm ³) Bulk Density	≥	3.05	3.0	2.95	2.90
常温耐压强度(MPa) Cold Crushing Strength	≥	30	30	30	35
0.2MPa荷重软化开始温度(°C) 0.2MPa Refractoriness Under Load	≥	1550	1550	1550	1530

特种直接结合镁铬砖 Special Mg-Chrome Bricks

产品特点:

特种直接结合镁铬砖是采用高纯镁砂、高纯铬精矿和高温复合增韧剂, 经高压成型、高温烧结而制成的一种性能特别优异的产品, 它不仅抗侵蚀性能好, 而且抗热震性能也比直接结合镁铬砖要好的多, 该产品比较好的解决了抗侵蚀性能与抗热震性能不能同步的矛盾。

Product features:

Special mg-chrome bricks is directly combined by high purity fused magnesia clinker and high purity chromium concentrate and high-temperature composite toughening agents, the high-pressure forming, high temperature sintering made a performance special excellent product, it not only good erosion resistance performance is good, and thermal shock resistance than mg-chrome bricks directly combined much better, this product has good solve erosion resistance performance and thermal shock resistance can't sync contradiction.

项目 Item	指标 Index	RSTZMGe			RSTZMGe			RSTZMGe		
		20A	20B	20C	18A	18B	18C	16A	16B	16C
MgO (%)	≥	55	52	50	58	55	52	60	57	54
Cr ₂ O ₃ (%)	≥	20	20	20	18	18	18	16	16	16
Fe ₂ O ₃ (%)		10~13	10~13	9~13	9~12	9~12	9~12	9~12	9~12	9~12
CaO (%)	≤	1.5	2.0	2.0	1.5	2.0	2.0	1.5	2.0	2.0
SiO ₂ (%)	≤	1.5	2.5	3.0	1.5	2.5	3.0	1.5	2.5	3.0
显气孔率(%) Apparent Porosity	≤	16	16	17	16	16	17	16	16	17
体积密度(g/cm ³) Bulk Density	≥	3.3	3.28	3.26	3.26	3.25	3.23	3.22	3.2	3.18
常温耐压强度(MPa) Cold Crushing Strength	≥	50	50	45	50	50	45	50	50	45
0.2MPa荷重软化开始温度(°C) 0.2MPa Refractoriness Under Load	≥	1700	1650	1600	1700	1650	1600	1700	1650	1600

Main Products

主要产品

镁铝砖系列

Magnesia-Alumina
镁铝砖
Magnesia-Alumina

产品特点:

采用含钙低的优质镁砂和工业氧化铝粉为主要原料,经高压成形、高温烧制而成。抗急冷急热性好,对铁的氧化物、碱性炉渣等溶剂具有好的抗侵蚀性。

Product features:

Using calcium low high quality magnesite and industrial alumina powder as the main raw material,the high-pressure forming,the hightemperature burn becomes.Good cold and heat resistance,iron oxide,basic slag with good erosion resistance solvent.

项目 Item	指标 Index	ML-80A	ML-80B
MgO (%) ≥		80	80
Al ₂ O ₃ (%)		5~10	5~10
显气孔率(%) ≤ Apparent Porosity		18	20
常温耐压强度(MPa) ≥ Cold Crushing Strength		40	30
0.2MPa荷重软化开始温度(°C) ≥ 0.2MPa Refractoriness Under Load		1600	1580
热震稳定性(1100°C,水冷,次) ≥ Thermal Shock Resistance(1100°C,water quenching,cycle)		3	3

镁砖系列

Magnesium Brick Series
烧结镁砖
Sintered Magnesia Brick

产品特点:

是碱性耐火材料主要制品,该制品耐火度高,对铁的氧化物、碱性炉渣及高钙熔剂具有良好的抗侵蚀性。广泛应用于钢铁工业的炼钢炉衬、铁合金炉、混铁炉、有色冶金工业炉,建材工业的石灰窑,玻璃工业的蓄热室格子体换热器,耐材工业的隧道窑及高温煅烧窑等。

Product features:

Is alkaline refractory main products,the products high refractoriness of iron oxide,basic slag and high calcium flux has good erosion resistance properties.Widely used steel industry steelmaking furnace lining,the ferroalloy furnace,described.simple,colored metallurgy industry furnaces building materials industry kiln,glass industrial regenerator grid body heat exchanger,refractories industrial tunnel kiln and high temperature firing kiln,etc.

项目 Item	指标 Index	RS-SMZ-89	RS-SMZ-91	RS-SMZ-93	RS-SMZ-95
MgO (%) ≥		89	91	93	95
SiO ₂ (%) ≤		/	/	3.5	2.0
CaO (%) ≤		3.0	3.0	2.0	2.0
显气孔率(%) ≤ Apparent Porosity		20	18	18	18
常温耐压强度(MPa) ≥ Cold Crushing Strength		50	60	60	60
荷重软化开始温度(T _{0.6} , °C) ≥ Refractoriness Under Load		1550	1560	1620	1650
加热永久线变化(1650°C × 2h) % Permanent Linear Change on heating		-0.6~0	-0.5~0	-0.4~0	-0.3~0
导热系数(1000°C) (W/m · k) ≤ Thermal conductivity coefficient		/	3	/	3.8

Main Products

主要产品

铝硅系列

Al-Si Series

高铝砖及微膨胀高铝砖

High Alumina Bricks And Micro Expansion High Alumina Bricks

项目 Item	指标 Index	高铝砖 High aluminum bricks			微膨胀高铝砖 Micro expansion High aluminum bricks
		RSGL-75	RSGL-65	RSGL-55	RSWPL-75
Al ₂ O ₃ (%) ≥		75	65	55	75
Fe ₂ O ₃ (%) ≤		2.0	2.0	2.5	2.0
显气孔率(%) ≤ Apparent Porosity		20	22	23	19
体积密度(g/cm ³) ≥ Bulk Density		2.5	2.4	2.3	2.6
常温耐压强度(MPa) ≥ Cold Crushing Strength		60	55	40	70
0.2MPa荷重软化开始温度(°C) ≥ 0.2MPa Refractoriness Under Load		1500	1470	1450	1520
重烧线变化率(1500°C × 2h,%) Refiring linear change		0~-0.2	0~-0.2	±0.2	0~+0.6
耐火度(°C) ≥ Refractoriness		1790	1790	1770	1790

抗剥落高铝砖

Anti-stripping Alumina Brick

产品特点:

抗剥落高炉砖具有良好的高温性能及优良的抗剥落性,用于玻璃窑蓄热室的中温区域。

Product features:

High alumina bricks spalling resistance with good high performance and excellent anti-stripping, used for heating regenerative chamber of glass kiln.

项目 Item	指标 Index	RSKBL-75	RSKBL-70
		Al ₂ O ₃ (%) ≥	75
显气孔率(%) ≤ Apparent Porosity		23	24
常温耐压强度(MPa) ≥ Cold Crushing Strength		60	60
0.2MPa荷重软化开始温度(°C) ≥ 0.2MPa Refractoriness Under Load		1500	1470
热震稳定性(1100°C,水冷,次) ≥ Thermal Shock Resistance(1100°C,water quenching,cycle)		25	25

莫来石及刚玉莫来石砖

Mullite And Corundum Mullite Bricks

产品特点:

采用优质合成莫来石、高纯刚玉为主要原料,添加特种添加剂,经高压成型、高温烧制而成,产品具有荷软高、气孔率低、热震性能好、耐磨性能好等特点。可广泛用于钢铁、有色冶炼炉、锅炉及垃圾焚烧炉。

Product features:

USES the high quality synthetic mullite,high purity corundum as the main raw material,adding special additive,shaped by high pressure,fires by high temperature,the product has soft,high porosity Hollywood,low thermal shock performance is good,wear-resisting performance is good wait for a characteristic.Can be widely used in steel,non-ferrous metal smelting furnace,boiler and wastes incinerator.

项目 Item	指标 Index	刚玉莫来石砖 Corundum mullite bricks	莫来石砖 Mullite bricks
		Al ₂ O ₃ (%) ≥	80
体积密度(g/cm ³) ≥ Bulk Density		2.6	2.6
显气孔率(%) ≤ Apparent Porosity		18	18
常温耐压强度(MPa) ≥ Cold Crushing Strength		100	90
热震稳定性(1000°C,水冷,次) ≥ Thermal Shock Resistance(1000°C,water quenching,cycle)		25	25
0.2MPa荷重软化开始温度(°C) ≥ 0.2MPa Refractoriness Under Load		1550	1500
导热系数(700°C) (W/m · k) ≤ Thermal conductivity		2.0	1.5
最高使用温度(°C) ≥ Service Temperature		1600	1550
耐火度(°C) ≥ Refractoriness		1790	1790
耐磨度 (cm ³) ≤ Wear-resisting Degree		8	8

Main Products

主要产品

硅线石砖及红柱石砖 Silimanite Brick And Andalusite Brick

产品特点: Silimanite Brick And Andalusite Brick

硅线石砖及红柱石砖采用优质硅线砖和红柱石为原料,制品具有荷软高、气孔率低、热震性能好、耐磨性能好等特点。应用于钢铁工业炉、化工炉及玻璃窑等。

Product features:

Silimanite brick and andalusite brick uses the high quality silicon line and andalusite as raw materials,products with high RUL,low porosity, thermal shock performance is good,wear-resisting performance is good characterstic.Application of steel industry furnace,chemical furnace and kiln,etc.

指标 Index 项目 Item	硅线石砖 Silicon line bricks		红柱石砖 Andalusite bricks		
	RSGX-70	RSGX-60	RSGX-135	RSGX-140	RSGX-150
Al ₂ O ₃ (%) ≥	70	60	65	65	75
Fe ₂ O ₃ (%) ≤	1.0	1.0	1.5	1.5	1.0
显气孔率(%) ≤ Apparent Porosity	20	22	22	22	20
体积密度(g/cm ³) ≥ Bulk Density	2.60	2.50	2.40	2.50	2.60
常温耐压强度(MPa) ≥ Cold Crushing Strength	70	50	60 (50)	60 (50)	80 (60)
0.2MPa荷重软化开始温度(°C) ≥ 0.2MPa Refractoriness Under Load	1550	1500	1520	1550	1600
耐火度(°C) ≥ Refractoriness	1790	/	1790	1790	1790
蠕变率(0.2MPa, 20-50h, %) Creep rate	/	/	0.2	1400°C 0.2	1500°C 0.2
热震稳定性(1000°C,水冷,次) ≥ Thermal Shock Resistance (1000°C,water quenching,cycle)	25	/	15	20	20

耐磨砖 Wear-Resisting Brick

产品特点:

选用刚玉及耐磨材料经特殊加工工艺生产而成具有高强度、高密度、耐磨损等特点,主要用于各种工业窑炉高温及机械磨损部位。

Features:

Corundum and wear-resistant materials used by special processing production from high-strength,high density,wear-resistant characteristics, mainly used for high temperature industrial furnaces and mechanical wear parts.

指标 Index 项目 Item	RSNM-80	RSNM-75	RSNM-70
Al ₂ O ₃ (%) ≥	80	75	70
SiO ₂ (%) ≤	15	20	25
体积密度(g/cm ³) ≥ Bulk Density	2.9	2.80	2.70
常温耐压强度(MPa) ≥ Cold Crushing Strength	100	85	72
常温抗折强度(MPa) ≥ Bending strength	15	13	11.0
常温磨损量(cm ³) ≥ Wear resistant	5.8	8.3	9.6
耐火度(°C) ≥ Refractoriness	1790	1790	1790
0.2MPa荷重软化开始温度(°C) ≥ 0.2MPa Refractoriness Under Load	1550	1530	1500
导热系数(350°C ± 25) (W/m · k) ≤ Thermal conductivity	1.49	1.49	1.49
最高使用温度(°C) ≥ Service Temperature	1650	1600	1500
热震稳定性(1000°C,水冷,次) ≥ Thermal Shock Resistance (1000°C,water quenching,cycle)	20	20	20

Main Products

主要产品

复合棕刚玉砖 Composite Corundum Brick

产品特点:

该产品以电熔棕刚玉为主要原料,经高压成形、高温烧成,具有热震稳定性高,气孔率低、低膨胀、抗熔体蒸汽和气体侵蚀性能好,抗氧化性能优良,尺寸精确等优点。

Product features:

This product by fused corundum sa main raw materials,the high-pressure forming,high temperature firing,have high thermal shock stability,low porosity and low expansion,resistance to melt steam and gas erosion performance is good,oxidation resistance is fine,the size is exact,etc.

项目 Item	指标 Index
Al ₂ O ₃ (%) ≥	78
SiC (%) ≥	14
Fe ₂ O ₃ (%) ≤	1.0
显气孔率 (%) ≤ Apparent Porosity	3.0
体积密度(g/cm ³) ≥ Bulk Density	3.0
常温耐压强度(MPa) ≥ Cold Crushing Strength	100
0.2MPa荷重软化开始温度(°C) ≥ Refractoriness Under Load	1700
重烧线变化(1500°C × 2h, %) ≥ Refractoriness linear change	0~+0.2
耐火度(°C) ≥ Refractoriness	1790

特种耐酸砖、轻质耐酸砖 Special Acid-Proof Brick, lightweight Acid-proof Brick

产品特点: 产品应用于钢铁有色建材,玻璃化工等行业的烟道、烟囱等部位。

The characteristics:the product application steel non-ferrous materials,glass chemical industry and chimney flue,such sites.

项目 Item	指标 Index	特种耐酸砖 Special acid-proof brick	轻质耐酸砖 Lightweight acid-proof brick
SiO ₂ (%) ≥		65	65
体积密度(g/cm ³) Bulk Density		1.6-1.8	1.0-1.3
常温耐压强度(MPa) ≥ Cold Crushing Strength		15	10
导热系数(350°C ± 25) (W/m · k) ≤ Thermal conductivity		0.65	0.45
吸水率(%) ≤ Water absorption		15	工作面working surface 5
耐酸度(%) ≤ Acid-proof rate		98	97
长期工作温度(°C) ≤ Service temperature		1000	1000

热风炉用硅砖 Hot Blant Furnace With Silica Brick

产品特点:

热风炉用硅砖具有热膨胀率低,残余石英含量少,真密度小、600°C以上热稳定性好,荷重软化点高,蠕变率低等特点,且外形整齐,尺寸精确。主要用于高炉热风炉炉顶、上部炉体及上部格子体等高温区。

Features:

Hot blast stove silica brick has thermal expansion rate is low,residual quartz content,less true density is small,600°Cabove thermal stability,high load softening point,creep rate low characteristic,And appearance neat,size precise.Mainly used in blast furnace stove top,the upper furnace and the grid body,etc.

项目 Item	指标 Index	普通硅砖 Ordinary silica brick			热风炉用硅砖 Hot air furnace with silica brick			
		RSGZ 96	RSGZ 95	RSGZ 94	拱顶炉墙砖		格子砖	
SiO ₂ (%) ≤		96	95	94	95	96	95	96
Fe ₂ O ₃ (%) ≤		1.0	1.2	1.4	/	/	1.0	/
耐火度(°C) ≥ Refractoriness		1710	1710	1690	1710	1710	1710	1710
0.2MPa荷重软化开始温度(°C) ≥ Refractoriness Under Load		1660	1650	1640胶结 硅石1620	1650	1660	1650	1660
显气孔率(%) ≤ Apparent Porosity		22(24)	23(25)	22(24)	22	22	23	23
常温耐压强度 (MPa) ≥ Cold Crushing Strength	重量 ≤ 20kg	35(30)	35(30)	35(30)	35	40	30	35
	重量 > 20kg	30(25)	30(25)	30(25)	/			
体积密度(g/cm ³) ≥ Bulk Density		2.34	2.35	2.35	2.35			
蠕变率(0.2MPa, 20~50h, %) Creep rate					0.8			
热膨胀率(1000°C, %) ≥ Thermal expansion					1.26			

注: 括号内数值为手工成形砖的指标 Note: Figures in brackets values for indicators of hand-molded brick

Main Products

主要产品

轻质砖系列

Lightweight Brick Series

产品特点：
具有隔热性能好、重量轻等特点，适用于各种工业窑炉隔热保温部位。

Features:
With good insulation, light weight, suitable for various industrial furnace insulation parts.

指标 Index	硅藻土砖 Diatomite heat insulating bricks	漂珠砖 Drift beads bricks	轻质粘土砖 Clay light bricks			轻质高铝砖 High aluminium light bricks
	RSQT-0.7	RSQP-0.6	RSQN-0.6	RSQN-0.8	RSQN-1.0	RSQG-1.0
体积密度(g/cm ³) ≥ Bulk Density	0.7	0.6	0.6	0.8	1.0	1.0
常温耐压强度(MPa) ≥ Cold Crushing Strength	2.5	3.0	2.0	3.0	4.0	3.5
导热系数(900°C ± 25) (W/m · k) ≤ Thermal conductivity	0.20	0.25	0.25	0.30	0.50	0.40

硅莫砖

Silica-Mullite Bricks

硅莫砖是以特级高铝矾土和碳化硅为原料，经特殊烧结工艺制成，具有强度高、耐磨损、热震稳定性优良、在使用过程中不断形成保护层、减少结圈等特点。主要用于中小型水泥窑的过渡带、分解带及冷却机。

BY adopting high grade bauxite and SiC as raw material and special sintering process, silica-mullite bricks are characterized by high strength, good performance of abrasion resistance and thermal shock resistance, constant forming protective layer for reducing accretion formation, long application cycle etc. The bricks are used for the transition zone, calcining zone, cooling zone of medium and small cement kiln.

项目 Item	Al ₂ O ₃ (%) ≥	SiO ₂ + SiC (%) ≥	显气孔率 (%) ≤ Apparent Porosity	体积密度 (g/cm ³) ≥ Bulk Density	常温耐压强度 (MPa) ≥ Cold Crushing Strength	0.2MPa 荷重软化开始温度 T _{0.6} (°C) ≥ Softening temperature load Degree T _{0.6} (°C)	热震稳定性 (1100°C 水冷) 次 ≥ Thermal Shock Resistance (1100°C) water quenching, cycle	耐火度 Refractoriness (°C) ≥	热导率 (1000°C) W/m · k Thermal conductivity	耐磨系数 (CC)
硅莫砖 Silica-mullite bricks										
牌号 Brand										
RSAZM-1650	63	35	22	2.50	85	1600	10	1790	2.5	8.2
RSAZM-1680	65	30	20	2.60	90	1630	12	1790	2.3	7.8

硅莫红砖

Red Silica-Mullite Bricks

产品特点：硅莫红砖是根据大中型回转窑对耐火材料的要求研制的回转窑过渡带冷却带用材料，是在硅莫砖的基础上提高了强度，荷软温度，降低了导热率。

The red silica-mullite brick is used for the transition zone of large scale cement rotary kiln, the strength higher and refractoriness under load higher than silica mullite brick, thermal coefficient lower than silica-mullite brick.

项目 Item	Al ₂ O ₃ (%) ≥	SiO ₂ + SiC (%) ≥	显气孔率 (%) ≤ Apparent Porosity	体积密度 (g/cm ³) ≥ Bulk Density	常温耐压强度 (MPa) ≥ Cold Crushing Strength	0.2MPa 荷重软化开始温度 T _{0.6} (°C) ≥ Softening temperature load Degree T _{0.6} (°C)	热震稳定性 (1100°C 水冷) 次 ≥ Thermal Shock Resistance (1100°C) water quenching, cycle	耐火度 Refractoriness (°C) ≥	热导率 (1000°C) W/m · k Thermal conductivity	耐磨系数 (CC)
硅莫红砖 Red silica-mullite bricks										
牌号 Brand										
RSGMT-1	68	28	19	2.68	110	1660	15	1790	2.1	8.0
RSGMT-2	70	25	19	2.70	110	1680	20	1790	2.0	9.0

Main Products

主要产品

系列耐碱砖 Series Of Alkali-Resistant Bricks

项目 Item	Al ₂ O ₃ (%)	SiO ₂ + SiC (%)	显气孔率 (%)	常温耐压强度 (MPa) ≥	0.2MPa 荷重软化开始温度 T _{0.6} (°C) ≥	热震稳定性 (1100°C 水冷) 次 ≥	热导率 (350°C) W/m·k ≤	热膨胀率 (900°C)
牌号 Brand	≥	≥	≤	Crushing Strength	Softening temperature load Degree T _{0.6} (°C)	Thermal Shock Resistance (1100°C) water quenching, cycle	Thermal conductivity	Thermal expansion Rate
普通型耐碱砖 Common type alkali-resistant bricks								
RSRK-O	25-35	60-70	25	25	1350	10	1.3	0.7
高强型耐碱砖 High-strength type alkali-resistant bricks								
RSRK-H	25-35	60-70	20	60	1300	5	1.4	-
拱顶型耐碱砖 Arch type alkali-resistant bricks								
RSRK-A	25-35	60-65	25	30	1400	10	1.3	-
隔热型耐碱砖 Insulation type alkali-resistant bricks								
RSCB-20	20-30	60-67	30	15	1200	5	0.75	0.6
RSCB-30	20-30	60-67	30	20	1200	-	0.75	-

磷酸盐结合高铝砖 Phosphate Bonded High Alumina Bricks

磷酸盐结合高铝质砖是用精选的优质高铝矾土为原料，用磷酸盐做结合剂制成的轻烧砖。用于小型水泥回转窑。

With high quality bauxite as raw material, phosphate as binding agent, phosphate bonded high alumina bricks are light burned bricks which are used for small cement rotary kiln.

高荷软砖、兰晶石砖、高温高强耐磨砖有效克服了磷酸盐结合制品荷重软化温度低的不足，具有荷重软化温度高，高温强度高、耐冲刷、抗侵蚀，热震稳定性优良等特点，适用于中、小型水泥窑烧成带及过渡带。

With features of high R · U · L, high strength, high resistance to erosion, corrosion and thermal shock, high R · U · High temperature strength abrasive bricks have been applied as substitute for products to solve the problem of insufficient refractoriness under load, and used for the burning zone, transition zone of medium and small cement kiln.

钢纤维增强抗剥落砖由于添加耐热钢纤维，有效地提高了制品的组织结构强度和抗剥落性及耐磨性。主要用于中小型水泥窑前窑口、冷却机。

Due to the addition of steel fiber, the structure strength, performance of spalling resistance and wear resistance of the steel fiber reinforced anti-spalling bricks are improved effectively. The products are mainly used in the outlet of small cement kiln and cooling machine.

项目 Item	Al ₂ O ₃ (%)	Fe ₂ O ₃ (%)	CaO (%)	体积密度 (g/cm ³)	耐火度 (°C) ≥	常温耐压强度 (MPa) ≥	0.2MPa 荷重软化开始温度 T _{0.6} (°C) ≥	热导率 (1000°C) W/m·k ≤
牌号 Brand	≥	≤	≤	Bulk Density	Refractoriness	Crushing Strength	Softening temperature load Degree T _{0.6} (°C)	Thermal conductivity
磷酸盐结合高铝砖 Phosphate bonded high alumina bricks								
RSP	75	3.2	0.6	2.65	1780	60	1300	1.5
RSPA	77	3.2	0.6	2.70	1780	65	1250	1.6
磷酸盐结合兰晶石砖 Phosphate bonded kyanite bricks								
RSSLI-80	80	2.0	-	2.90	1790	65	1450	1.6
RSSLI-75	75	2.0	-	2.85	1790	60	1430	-
高荷软砖及复合砖 High R · U · L bricks and composite bricks								
RSGH-80工作层	80	2.0	-	2.90	1790	60	1460	1.6
复合层	40	-	-	≤1.9	1650	20	1200	0.75
磷酸盐结合高温高强耐磨砖 Phosphate bonded high alumina brick with high strength and wear-resistance								
RSHAS	80	1.8	-	2.95	1790	80	1550	1.6
钢纤维增强抗剥落砖 Steel fiber reinforced anti-spalling bricks								
RSKF	80	-	-	2.85	1790	70	1450	-

Monolithic Refractories

不定型耐火材料

加热炉用浇注料 Castable For Heating Furnace

产品特点:

具有整体性好、易施工、强度高热震稳定性好等特点。

Features:

With good integrity, easy construction, heat shock stability and good strength characteristics.



自动化浇注料生产线
Automated production line castable



微机配料室
Computer Room ingredients



包装机
Packaging Machine

项目 Item	指标 Index	低水泥浇注料 Low cement castable			轻质浇注料 Lightweight Castable	
		RSDJ-60	RSDJ-70	RSDJ-50	RSQJ-1	RSQJ-2
Al ₂ O ₃ (%)	≥	60	70	50	40	35
CaO (%)	≤	/	/	/	20	15
110℃烘干体积密度(g/cm ³)	≥	2.5	2.6	2.3	0.9	1.4
耐压强度 (MPa) ≥ Cold Crushing Strength	110℃ × 24h	30	40	15	2.5	12
	1100℃ × 3h	40	50	30	1.5	6
	1400℃ × 3h	60	70	1350℃ × 3h 60	/	/
抗折强度 (MPa) ≥ Modules of Rupture	110℃ × 24h	7	8	9	0.8	3
	1100℃ × 3h	8	9	6	0.5	2
	1400℃ × 3h	10	12	1350℃ × 3h 12	/	/
重烧线变化(%) Permanent linear change		1400℃ × 3h ±0.5	1500℃ × 3h ±1.0	1350℃ × 3h ±0.5	110℃ × 24h 0~-0.2 1000℃ × 3h 0~-1.5	1400℃ × 3h 0
导热系数 (W/m·k) ≤ Thermal Conductivity	600℃	/	/	/	0.25	0.37
	1000℃	/	/	/	0.38	0.45

Main Products

主要产品

钢包浇注料 Ladle Castable

产品特点:

钢包浇注料主要在大、中、小型钢包上使用。该产品使用寿命长,安全稳定,是比较理想的钢包用耐火材料。

Features:

Ladle castable mainly in large, medium and small ladle used. The product is long life, security and stability, is an ideal Ladle Refractories.

项目 Item	指标 Index	尖晶石质RSGB Spinel	铝镁质RSGB Quality aluminum and magnesium	镁铝质RSGB Mg mass
Al ₂ O ₃ (%)	≥	88	72	32
MgO (%)	≥	7	11	60
SiO ₂ (%)	≥	/	9.5	/
体积密度 (g/cm ³) ≥ Bulk Density	110 °C × 24h	3.10	2.90	2.90
	1550 °C × 3h	2.95	2.80	2.80
线变化率(%) Linear change	1000 °C × 3h	0-0.2	0-0.2	0-0.2
	1550 °C × 3h	0-0.8	0.5-1.5	0.5-1.2
抗折强度 (MPa) ≥ Modules of Rupture	110 °C × 24h	7	9	6
	1550 °C × 3h	8	9	8
耐压强度 (MPa) ≥ Cold Crushing Strength	110 °C × 24h	30	60	45
	1550 °C × 3h	70	60	40
加水量 (%)	Amount of water	5-6	5-6	5-6

电炉用不定形耐火材料 Unshaped Refractory For Electric Furnace

产品特点:

选用优质高档原料及优质结合剂、添加剂,使用温度高,流动性好,耐抗震稳定性好,抗渣侵蚀性强。

Features:

Selection of high quality raw materials and high-quality binders, additives, high temperature, good fluidity, heat shock stability, strong resistance to slag erosion.

项目 Item	指标 Index	炉顶三角区浇注料 Top Triangle castable	炉顶预制件 Precast roof	出钢口填充料 Tapping hole filler	炉底干式捣打料 Bottom dry ramming mix
Al ₂ O ₃ (%)	≥	82	82	/	/
MgO (%)	≥	/	/	50	80
CaO (%)	≤	2.0	2.0	/	4-10
SiO ₂ (%)		/	/	35-40	≤2.0
Fe ₂ O ₃ (%)		/	/	/	4-10
Cr ₂ O ₃ (%)		/	2-5	/	/
体积密度 (g/cm ³) ≥ Bulk Density	110 °C × 24h	2.9	2.9	/	2.3(堆积密度) Packing density
	1600 °C × 3h	2.9	/	/	/
耐压强度 (MPa) ≥ Cold Crushing Strength	110 °C × 24h	30	30	/	/
	1600 °C × 3h	40	/	/	80
抗折强度 (MPa) ≥ Modules of Rupture	110 °C × 24h	6.0	6.0	/	/
	1600 °C × 3h	8.0	/	/	/
粒度 (%)	Granularity	mm	/	> 6mm ≤ 10	/
重烧线变化(1300 °C × 3h, %)	Heavy burn line rate	0.2-0.6	/	/	/

Main Products

主要产品

炭素制品炉用浇注料 Carbon Castable

产品特点:

具有密度适中、强度高、抗腐蚀、易施工等特点。

Features:

With moderate density, high strength, corrosion resistance, easy construction and other features.

项目 Item	指标 Index	轻质浇注料 Lightweight castable	高致密耐火浇注料 High density castable	高强度耐火浇注料 High-strength castable
最高使用温度(°C) Maximum temperature		1000	1450	1500
体积密度 (g/cm ³) ≥ Bulk Density		1.0	2.5	2.6
烧后线变化(%) Linear change after firing	550 °C × 3h	/	/	0~+0.1
	1000 °C × 3h	/	0~0.5	-0.1~0
耐压强度 (MPa) ≥ Cold crushing Strength	110 °C × 24h	3.0	55.0	70.0
	1000 °C × 3h	/	50.0	70.0
抗折强度 (MPa) ≥ Modules of Rupture	110 °C × 24h	/	8.0	10.0
	1000 °C × 3h	/	8.0	10.0
导热系数(300 ± 25°C, W/m · k) Thermal conductivity		/	0.9	1.4

刚玉碳化硅抗腐蚀耐火浇注料 Corrosion-Resistant Corundum Castable Silicon Carbide

产品特点:

选用优质高档原料及优质结合剂、添加剂,使用温度高,流动性好,耐抗震稳定性好、抗腐蚀性强。适用于钢铁、有色、电力、化工等各种工业窑炉。

Features:

Selection of high quality raw materials and high-quality binders, additives use of high temperature, fluidity, heat shock Good stability and corrosion resistance. For iron and steel, nonferrous metals, electric power, chemical and other industrial furnaces.

项目 Item	指标 Index	数值 Value
最高使用温度(°C) Maximum temperature		1500
烧后线变化(1400°C × 3h, %) Linear change after firing		-0.3~+0.2
耐压强度(MPa) ≥ Cold crushing Strength	110 °C × 24h	100
	1300 °C × 3h	120
常温磨损量(cm ³) ≤ Room temperature wear		7
热震稳定性(700°C, 水冷, 次) ≥ Thermal shock resistance(700°C, water cooling) times		35
SiC (%) ≥		85
体积密度 (g/cm ³) ≥ Bulk Density		2.7

Main Products

主要产品

耐磨耐火浇注料 Wear-Resistant Castable

产品特点:

具有高密度、高强度、耐磨损、抗侵蚀等特点, 适用于循环流化床锅炉易冲刷磨损部位。

Features:

High-density, high strength, wear resistance, erosion resistance, suitable for circulating fluidized bed boiler easy to erosion wear parts.

指标 Index		耐磨耐火浇注料 Wear-resisting castable					普通浇注料 Castable
		RSNMJ-1	RSNMJ-2	RSNMJ-3	RSNMJ-4	RSNMJ-5	RSPJ
项目 Item							
Al ₂ O ₃ (%) ≥		85	80	80	75	70	55
体积密度 (g/cm ³) ≥ Bulk Density		3.0	3.0	2.9	2.8	2.6	2.4
耐压强度 (MPa) ≥ Cold Crushing Strength	110 °C × 24h	150	120	120	90	75	50
	1100 °C × 3h	60	130	130	110	90	12
抗折强度 (MPa) ≥ Modules of Rupture	110 °C × 24h	22	20	18	15	15	/
	1100 °C × 3h	26	23	20	18	16	-0.5~0
线变化率(1100°C × 3h, %) Permanent liner change		-0.15~0	-0.2~0	-0.2~0	-0.2~0	-0.3~0	/
热震稳定性(1100°C,水冷,次) ≥ Thermal shock resistance(700°C, water quenching, cycle)		50	55	50	30	25	25
常温磨损量(cm ³) ≤ The amount of room temperature wear		3	3.5	5	7	8	/
显气孔率 (%) ≤ Apparent Porosity		18	20	19	22	23	/
最高使用温度(°C) Maximum service temp		1500	1500	1500	1400	1300	/
导热系数(热面900°C, W/m·k) ≤ Thermal Conductivity (hot side 900°C)		1.8	1.8	1.7	1.7	1.5	/
耐火度(°C) ≥ Refractoriness		1790	1790	1790	1790	1750	1700
使用部位 Application		炉膛及炉膛出口、分离器、返料器、冷渣器 Furnace and the furnace exit, separator, back to feeder, slag cooler			料腿、水冷分室、出口 烟道、燃烧器 Material legs, water compartment, the export Flue, burner		尾部烟道 Rear flue

耐火涂抹料 Coating Refractory

产品特点:

系列中间包涂抹料是替代绝热板, 实现高效连铸的比用材料, 具有易涂抹、不开裂、耐侵蚀、易解体等特点, 与绝热板相比不仅降低吨钢耐材成本, 而且减少钢液中非金属夹杂, 提高钢液的纯度, 改善钢的性能。

Features:

Series tundish coating is an alternative to insulating board must be used for efficient continuous casting materials are easy to apply, no cracking, corrosion resistance, easy disintegration Characteristics, not only reduced compared with the insulation board refractory per ton of steel costs, and reduce non-metallic inclusions in liquid steel to improve the purity of the liquid steel to improve the steel Performance.

项目 Item		指标 Index		
		RSTM-1	RSTM-2	RSTM-3
MgO (%) ≥		82	85	70
CaO (%) ≤		/	/	10
Al ₂ O ₃ (%) ≥		4	3	3
Fe ₂ O ₃ (%) ≤		1.7	1.5	3.3
体积密度 (g/cm ³) ≥ Bulk Density	110 °C × 24h	2.40	2.45	2.60
	110 °C × 24h	6.0	10.0	2.0
耐压强度 (MPa) ≥ Cold Crushing Strength	1500 °C × 3h	4.0	12	6.0
线变化率(1500°C × 3h, %) Permanent liner change		-1.7~-2.0	-1.5~-1.8	-1.3~-1.5

Main Products

主要产品

耐磨耐火可塑料 Plastic Refractory

产品特点:

具有高密度、高强度、耐磨损、抗侵蚀等特点, 适用于循环流化床锅炉易冲刷磨损部位。

Features:

High-density, high strength, wear resistance, erosion resistance, suitable for circulating fluidized bed boiler easy to erosion wear parts.

项目 Item	指标 Index	耐磨耐火可塑料 Can wear resistant plastic		耐火可塑料 Fire can be plastic	
		RSNMS-80	RSNMS-75	RSNMS-70	RSNMS-65
Al ₂ O ₃ (%) ≥		80	75	70	65
体积密度 (g/cm ³) ≥ Bulk Density		2.80	2.80	2.50	2.50
耐压强度 (MPa) ≥ Cold Crushing Strength	110 °C × 24h	100	90	70	60
	1100 °C × 3h	110	115	80	85
抗折强度 (MPa) ≥ Modules of Rupture	110 °C × 24h	17	18	12	13
	1100 °C × 3h	20	20	/	/
线变化率(1100°C × 3h, %) Permanent liner change		0.2~0	0.2~0	-0.3~0	-0.3~0
热震稳定性(1100°C,水冷,次) ≥ Thermal shock resistance(700°C, water quenching, cycle)		40	40	25	25
常温磨损量(cm ³) ≤ Normal temperature of wear-resisting		4	4	/	/
显气孔率 (%) ≤ Apparent Porosity		20	20	23	23
最高使用温度(°C) Max.working temperature		1700	1700	1300	1300
导热系数(热面900°C,W/m·k) ≤ Thermal Conductivity		1.8	1.8	1.5	1.5
耐火度(°C) ≥ Refractoriness		1800	1800	1650	1650
使用部位 Application		炉膛及炉膛出口、分离器及进口、水冷屏 Furnace and the furnace exit, separator and imports, water-cooled screen		炉顶密封、水冷风室 Roof sealing, water, cold rooms	

耐酸浇注料 Acid-Resistant Castable

产品特点:

具有易施工、抗酸侵蚀性能好特点, 用于电力行业烟囱等部位。

Features:

With easy construction, good performance characteristics of acid erosion, chimney and other parts for the power industry.

项目 Item	指标 Index	RSNS-1.6	RSNS-1.8	RSNS-2.0
SiO ₂ (%) ≥		45	48	52
体积密度 (g/cm ³) ≥ Bulk Density		1.6	1.8	2.0
常温耐压强度 (MPa) ≥ Cold Crushing Strength		5	8	10
耐酸度 (%) ≥ Acid resistance		95	95	95
导热系数(350°C ± 25°C,W/m·k) ≤ Thermal Conductivity		0.5	0.55	0.60
使用温度 (°C) Application		800	900	1000

耐酸胶泥 Acid clay

项目 Item	指标 Index	RSNS-I	RSNS-II
SiO ₂ (%) ≥		60	65
Al ₂ O ₃ (%) ≥		25	25
Fe ₂ O ₃ (%) ≤		2.5	2.5
体积密度 (g/cm ³) ≥ Bulk Density		1.7	1.8
耐酸度 (%) ≥ Acid resistance		96	96
常温耐压强度 (MPa) ≥ Cold Crushing Strength		10	15
常温抗折强度 (MPa) ≥ Bending strength		3	4
初凝时间 (h) ≥ Initial setting time		1	0.5
终凝时间 (h) ≤ Final setting time		10	8
长期使用温度 (°C) Long-term use temperature		1000	1000

Main Products

主要产品

轻质隔热浇注料 Lightweight Insulating Castable

产品特点:

具有质轻、隔热性能好、易施工等特点。

Features:

With light, heat insulation, easy construction and so on.

项目 Item	指标 Index	RSQJ-0.5	RSQJ-0.8	RSQJ-1.0	RSQJ-1.1	RSQJ-1.3	RSQJ-1.5	RSQJ-1.8
体积密度 (g/cm ³) Bulk Density	≥	0.5	0.8	1.0	1.1	1.3	1.5	1.8
最高使用温度 (°C) Max. service temperature		1150	1200	1250	1250	1300	1300	1350
导热系数 (W/m·k) ≤ Thermal Conductivity	350°C	0.15	0.25	0.3	0.4	0.45	0.6	0.65
	700°C	0.20	0.30	0.4	0.45	0.5	0.7	0.75
常温耐压强度 (MPa) ≥ Cold crushing strength	110°C × 24h	1.5	2.0	4.0	5.5	10	15	20
	1000°C × 3h	1.5	2.0	5.5	6.5	15	20	30
线变化率(1000°C × 3h, %) Permanent linear change		-1.5	-1.0	-1.0	-0.5	-0.5	-0.5	-0.5
施工方式 Installation method		捣打或振动或喷涂 Ramming or vibration, or spray						
用途 Use		适用于回转窑及工业窑隔热或单层衬里 Rotary kiln and industrial kiln for heat insulation or single-layer lining						
特性 Features		质轻、导热系数低、节能、整体性强 Light weight, low thermal conductivity, energy saving, strong integrity						

耐火泥 Refractory Mortar

项目 Item	MgO (%)	Al ₂ O ₃ (%)	Cr ₂ O ₃ (%)	粘结抗折强度(MPa) Modules of rupture		耐火度 (°C) ≥ Refractoriness	粘结时间 (min) Bonding time	粒度组成(mm) Grading %			结合剂 Bonder
				110 °C × 24h	1400 °C × 3h			< 1	> 0.5 ≤	> 0.088 ≥	
镁铬质耐火泥 Magnesia-chrome mortar	78-85	-	3-5	-	2.0	1800	1-3	100	3	50	硅酸钠 Water glass
复合镁铁耐火泥 Magnesia-chrome composite refractory	90	-	1-3	-	4.0	1800	1-3	100	3	50	硅酸钠 Water glass
镁质耐火泥 Magnesia mortar	85-90	-	-	-	3.0	1800	1-3	100	3	50	硅酸钠 Water glass
尖晶石耐火泥 Spinel mortar	80-85	4-8	-	-	4.0	1800	1-3	100	3	50	硅酸钠 Water glass
高铝耐火泥 High alumina mortar	-	60-75	-	1.0	4.0	1790	1-3	100	2	50	水 Water
抗剥落高铝耐火泥 Anti-stripping high alumina mortar	-	75	-	1.0	5.0	1790	1-3	100	2	50	水 Water
磷酸盐耐火泥 Phosphate mortar	-	70	-	1.0	5.0	1790	1-3	100	2	50	磷酸 Phosphate
P901 高强耐火泥 P901 mortar	-	75	-	1.5	6.0	1790	1-3	100	2	50	磷酸 Phosphate
耐碱耐火泥 Alkali-resistant mortar	-	30-35	-	1.0	3.0	1690	1-3	100	5	50	水 Water
耐碱隔热耐火泥 Insulating alkali-resistant mortar	-	30-40	-	1.0	1.5	1650	1-3	100	5	50	水 Water
硅质泥浆(RSGN-96) Silicon mud	SiO ₂ % ≥ 96	0.6	-	0.5	1.5	1710	1-3	100	2	60	水 Water
硅质泥浆(RSGN-94) Silicon mud	SiO ₂ % ≥ 94	-	-	1.0	3.0	1690	1-3	100	1	60	水 Water
硅质隔热泥浆(RSGGN-94) Silicon heat insulation mud	SiO ₂ % ≥ 94	-	-	0.5	1.5	1690	1-3	100	1	60	水 Water
硅质隔热泥浆(RSGGN-92) Silicon heat insulation mud	SiO ₂ % ≥ 92	-	-	0.5	1.5	1670	1-3	100	2	50	水 Water
耐磨耐火泥浆 Wear-resisting refractory mortar	-	-	-	-	1000°C × 3h 4-6	1790	1-3	100	2	65	水 Water
轻质耐火泥浆 Light refractory mortar	-	-	-	-	-	1650	1-3	100	2	60	水 Water

Main Products

主要产品

刚玉、莫来石耐火浇注料 Corundum/Mullite Castables

产品名称 Product name		RS-18S (GJ-18S)	RS-80MC	RS-70MC
化学成分(%) Chemical composition	Al ₂ O ₃ +SiO	90	80	70
体积密度(kg/cm ³) Bulk density dried	110 °C × 24h	3000	2900	2750
常温耐压强度 (MPa) ≥ Cold crushing strength	110 °C × 24h	150	100	100
	1100 °C × 3h	160	120	110
	1500 °C × 3h	160	120	110
常温抗折强度 (MPa) ≥ Cold modules of rupture	110 °C × 24h	15	12	10
	1100 °C × 3h	20	14	12
	1500 °C × 3h	20	14	12
永久线变化率(%) Permanent linear change	1100 °C × 3h	± 0.3	± 0.3	± 0.3
	1500 °C × 3h	± 0.5	± 0.5	± 0.5
最高使用温度(°C) Maximum Service temp		1750	1600	1600
施工参考用水量(%) Water addition		4.5-5.0	4.5-5.0	4.5-5.0
使用部位 Application		大中型水泥窑前窑口、 喷煤管 Outlet, burner	大中型水泥窑前窑口、 喷煤管 Outlet, burner	中型水泥窑前窑口、 喷煤管 Outlet, burner

高铝质低水泥耐火浇注料 Low Cement High Alumina Castable

产品名称 Product name	RS-16T	RS-16	RS-160 (LC-160)	RS-15B (GJ-15B)	
化学成分(%) Chemical composition	Al ₂ O ₃	75	70	75	70
体积密度(kg/cm ³) Bulk density dried	110 °C × 24h	2650	2600	2700	2600
常温耐压强度 (MPa) ≥ Cold crushing strength	110 °C × 24h	100	100	100	80
	1100 °C × 3h	110	100	110	100
	1500 °C × 3h	110	-	150	-
常温抗折强度 (MPa) ≥ Cold modules of rupture	110 °C × 24h	10	8	14	10
	1100 °C × 3h	12	10	15	12
	1500 °C × 3h	12	-	15	-
永久线变化率(%) Permanent linear change	1100 °C × 3h	± 0.3	± 0.4	± 0.4	± 0.4
	1300 °C × 3h	± 0.5(1500°C)	± 0.5	± 0.5(1500°C)	± 0.5
耐碱性 Alkali resistance	-	二级 Grade II	-	二级 Grade II	
最高使用温度(°C) Maximum Service temp	1600	1600	1600	1500	
施工参考用水量(%) Water addition	5.5-6.5	6.0-7.5	5.5-6.0	5.5-6.5	
使用部位 Application	水泥窑窑门罩、 冷却机等 Kiln hood cooler, etc.	水泥窑窑门罩、 冷却机等 Kiln hood cooler, etc.	中型水泥窑窑口、 喷煤管； 水泥窑窑门罩、 冷却机等 Outlet, burner Kiln hood cooler, etc.	水泥窑窑门罩、 冷却机等 Kiln hood cooler, etc.	

Main Products

主要产品

高铝自流、喷射耐火浇注料 High Alumina Self-Flowing And Gunning Castables

产品名称 Product name		自流浇注料 Self-flowing castable	喷射浇注料 Gunning castable
化学成分(%) Chemical composition	Al ₂ O ₃ +SiO	70	70
体积密度(kg/cm ³) Bulk density dried	110 °C × 24h	2600	2500
常温耐压强度 (MPa) ≥ Cold crushing strength	110 °C × 24h	60	60
	1100 °C × 3h	80	80
常温抗折强度 (Mpa) ≥ Cold modules of rupture	1500 °C × 3h	6	8
	110 °C × 24h	8	10
永久线变化率(%) Permanent linear change	1100 °C × 3h	± 0.4	± 0.5
最高使用温度(°C) Maximum Service temp		1600	1600
施工参考用水量(%) Water addition		6-7	6.5-7.5
使用部位 Application		水泥窑窑门罩、冷却机、 分解炉等部位 Kins hood, cooler, calciner, etc.	水泥窑窑门罩、冷却机、 分解炉等部位 Kins hood, cooler, calciner, etc.

超高强耐磨耐火浇注料 Super High Strength Abrasion Resistant Castables

产品名称 Product name		RS-92K	RS-85	RS-75	RS-65
化学成分(%) Chemical composition	Al ₂ O ₃ +SiO	92	85	75	65
体积密度(kg/cm ³) Bulk density dried	110 °C × 24h	3100	3000	2750	2650
常温耐压强度 (Mpa) ≥ Cold Crushing Strength	110 °C × 24h	150	150	120	110
	1100 °C × 3h	120	120	110	100
常温抗折强度 (Mpa) ≥ Cold modules of rupture	110 °C × 24h	15	15	11	10
	1100 °C × 3h	18	16	12	12
永久线变化率(%) Permanent linear change	1100 °C × 3h	± 0.2	± 0.2	± 0.4	± 0.4
耐磨性 (cm ³) Abrasion resistance ≤		6	8	8	8
施工参考用水量(%) Water addition		4.0-6.0	4.5-5.5	5.5-6.5	5.5-6.5
使用部位 Application		原料磨刮板仓、 下料斗等高磨损 部位 Wearable areas including grinding mill, discharging hopper, etc.	三次风管弯头、 闸板、篦冷机 喉部、余热发电取 风口等高磨损部位 Wearable areas including elbow and damper of TAD, larngcal of cooler, wind nozzle of power generation by using waste heat	三次风管弯头、 闸板、篦冷机 喉部、余热发电取 风口等高磨损部位 Wearable areas including elbow and damper of TAD, larngcal of cooler, wind nozzle of power generation by using waste heat	三次风管弯头、 闸板、篦冷机 喉部、余热发电取 风口等高磨损部位 Wearable areas including elbow and damper of TAD, larngcal of cooler, wind nozzle of power generation by using waste heat

Main Products

主要产品

高铝质钢纤维增强耐火浇注料 Steel Fiber Reinforced High Alumina Castables

产品名称 Product name		RS-FH85 (FH-85)	RS-FH75 (FH-75)
化学成分(%) Chemical composition	Al ₂ O ₃	80	70
体积密度(kg/cm ³) Bulk density dried	110 °C × 24h	2800	2500
常温耐压强度 (MPa) ≥ Cold crushing strength	110 °C × 24h	85	80
	1100 °C × 3h	85	80
常温抗折强度 (MPa) ≥ Cold modules of rupture	110 °C × 24h	15	12
	1100 °C × 3h	15	12
永久线变化率(%) Permanent linear change	1100 °C × 3h	± 0.4	± 0.5
施工参考用水量(%) Water addition		5.5-6.5	7.0-8.0
使用部位 Application		中型水泥窑窑口、喷煤管； 窑门罩、冷却剂等 Outlet, burner, kiln hood cooler, etc.	中型水泥窑窑口、喷煤管； 窑门罩、冷却剂等 Outlet, burner, kiln hood cooler, etc.

抗结皮耐火浇注料 Anti-Crust Castables

产品名称 Product name		RS-50S (SiC-50)	RS-30S (SiC-30)
化学成分(%) Chemical composition	Al ₂ O ₃ ≤	25	35
	SiC ≥	50	30
体积密度(kg/cm ³) Bulk density dried	110 °C × 24h	2500	2400
常温耐压强度 (MPa) ≥ Cold crushing strength	110 °C × 24h	70	80
	1100 °C × 3h	80	80
常温抗折强度 (MPa) ≥ Cold modules of rupture	110 °C × 24h	8	9
	1100 °C × 3h	9	9
永久线变化率(%) Permanent linear change	1100 °C × 3h	± 0.4	± 0.4
耐碱性(%) Alkali-Resistance		一级 Grade I	一级 Grade I
最高使用温度(°C) Max.imum Service Temp		1400	1350
施工参考用水量(%) Water addition		5.5-6.5	6.0-7.0
使用部位 Application		四五级预热器锥部、下料管、分解炉锥部、窑尾烟室等易结皮部位 Cone of IV and V cyclone, discharging dust, cone of calciner, smoke chamber, etc. where crust is likely to occur.	

Main Products

主要产品

耐碱耐火浇注料 Alkali-Resistant Castable

产品名称 Product name		RS-13NL (GT-13NL)	RS-14NL (GT-14NL)
化学成分(%) Chemical composition	Al ₂ O ₃ ≤	48	48
	SiO ₂ ≥	50	50
体积密度(kg/cm ³) ≥ Bulk density dried	110 °C × 24h	2100	2200
常温耐压强度 (MPa) ≥ Cold crushing strength	110 °C × 24h	70	70
	1100 °C × 3h	70	70
常温抗折强度 (MPa) ≥ Cold modules of rupture	110 °C × 24h	7	7
	1100 °C × 3h	7	7
永久线变化率(%) Permanent linear change	1100 °C × 3h	± 0.4	± 0.4
耐碱性 (%) Alkali-Resistance		一级 Grade I	一级 Grade I
最高使用温度(°C) Maxi.mum Service Temp		1300	1400
施工参考用水量(%) Water addition		6.5-7.5	6.0-7.0
使用部位 Application	预热器系统、分解炉、冷却机冷端及顶盖等 Preheater system, calciner, side wall roof of cold end in cooler, etc.		

纯低温余热发电专用耐磨可塑捣打料 Abrasion Resistant Ramming Mixes For Power Generation By Using Remnant Heat

产品名称 Product name		RS-80GD	RS-80TM
化学成分(%) ≥ Chemical composition	Al ₂ O ₃ +SiC	80	80
体积密度(kg/cm ³) ≥ Bulk density dried	110 °C × 24h	2800	2600
常温耐压强度 (MPa) ≥ Cold crushing strength	110 °C × 24h	60	40
	550 °C × 3h	80	60
常温抗折强度 (MPa) ≥ Cold modules of rupture	110 °C × 24h	8	6
	550 °C × 3h	12	8
永久线变化率(%) Permanent linear change	550 °C × 3h	± 0.4	± 0.4
耐磨性 (cm ³) Abrasion resistance ≤	550 °C × 3h	8	8
最高使用温度(°C) Maxi.mum Service temperature		捣打 Ramming	涂抹 Coating
耐磨层厚度 Thickness of abrasion resistant layer		20-30	20-30
使用部位 Application	纯低温余热发电系统 The power generation system by using remnant heat		

Main Products

主要产品

PA-80系列耐火浇注料 Pa-80 Phosphate Bonded Castables

产品名称 Product name		RS-PA801	RS-PA802	RS-PA803
化学成分(%) Chemical composition	Al ₂ O ₃ +SiC ≥	75	75	80
	SiO ₂ ≤	20	20	18
体积密度(kg/cm ³) ≥ Bulk density dried	110 °C × 24h	2500	2500	2600
常温耐压强度 (MPa) ≥ Cold crushing strength	110 °C × 24h	40	50	60
	1100 °C × 3h	35	40	50
常温抗折强度(MPa) ≥ Cold modules of rupture	110 °C × 24h	4	4	5
	1100 °C × 3h	5	6	7
永久线变化率(%) ≥ Permanent linear change	1100 °C × 3h	-0.1~-0.5	-0.1~-0.5	-0.1~-0.3
最高使用温度(°C) Maximum Service temp		1500	1500	1600
施工参考用水量(%) Water addition		18	18	16
施工方式 Installation method		振动 Vibration		
使用部位 Application		水泥窑窑门罩、冷却机 Kiln hood, cooler, etc.	水泥窑前后窑口、冷却机、窑门罩等 Outlet, inlet, coolerm, Kiln hood, etc.	水泥窑前后窑口、冷却机、窑门罩等 Outlet, inlet, coolerm, Kiln hood, etc.

硅酸铝纤维板 Aluminium Silicate Fiber Board

项目 Item	名称 Name	硅酸铝软板 Aluminium silicate soft board	半硬板 Half rigid board	硬板 Rigid board
颜色 Color		白 White	白 White	白 White
体积密度(kg/m ³) Bulk density dried		70-100	100-130	130-150
导热系数 (W/m · k) Thermal conductivity		0.034(20°C)	0.034(20°C)	0.034(20°C)
		0.096(400°C)	0.09(400°C)	0.09(400°C)
		0.132(600°C)	0.126(600°C)	0.126(600°C)
		0.167(800°C)	0.167(800°C)	0.167(800°C)
永久线收缩(保温24小时) Permanent liner shrinkage		-4.0(900-1000°C)	-4.0(900-1000°C)	-4.0(900-1000°C)
渣球含量(φ > 0.25mm,%) Slug capacity		10.5	10.5	10.5
纤维细度(um) Degree of fiber fineness		2.0	2.2	2.2

硅酸铝纤维毡 Aluminium Silicate Fiber Felt

项目 Item	名称 Name	硅酸铝纤维卷毡 Aluminium silicate fiber curled felt	硅酸铝纤维平毡 Aluminium silicate fiber plain felt
体积密度(kg/m ³) Bulk density dried		70-120	100-140
纤维细度(um) Degree of fiber fineness		2.4	2.4
永久线收缩(保温24小时) Permanent liner shrinkage	°C	1000	1000
	h	24	24
	%	-4	-3.9
渣球含量(φ > 0.25mm,%) Slug capacity		10.2	10.2
导热系数(W/m · k) Thermal conductivity		0.034(20°C)	0.034(20°C)
		0.096(400°C)	0.096(400°C)
		0.132(600°C)	0.132(600°C)

Main Products

主要产品

硅酸钙绝热制品(无石棉)

Calcium Silicate Product (Asbestos Free)

无石棉硅酸钙制品是一种新型硬质绝热材料,具有重量轻、导热系数低、耐高温、耐侵蚀等特点。广泛应用于电力、冶金、石化、建材等工业的设备、管道、墙板和顶板的绝热、防火和隔音。

With light weight, low thermal conductivity, resistance to high temperature and erosion, calcium silicate product (asbestos free) is a kind of white, hard and new thermal insulation material. It is widely used in the heat proof, fire and sound insulation of equipment, pipes, walls and roofs in the industries of electric power, metallurgy, petrochemical, building etc.

1050°C无石棉硅酸钙绝热制品

1050°C Asbestos Free Calcium Silicate Product

项目 Item	单位 Unit	产品 Product			
		JB-II-13	JB-II-17	JB-II-23	JB-II-30
容重 Volume density	kg/m ³	135	170	230	300
抗折强度 Bending strength	MPa	0.3	0.4	0.5	0.5
耐压强度变形5%(min) Crushing strength deformation	MPa	0.5	0.8	0.9	0.9
线收缩率 Liner shrinkage	%	1.5	1.5	1.5	1.5
导热系数(平均温度70°C) Thermal conductivity	W/m.k	0.049	0.056	0.056	0.062
最高使用温度 Maximum service temperature	°C	1050	1050	1050	1050

850 °C无石棉硅酸钙绝热制品

850°C Asbestos Free Calcium Silicate Product

项目 Item	产品 Product			
	JB-I-13	JB-I-17	JB-I-23	JB-I-30
容重 (kg/m ³) Volume density	135	170	230	300
抗折强度 (MPa) Bending strength	0.2	0.3	0.35	0.4
抗压强度变形5%(min) (MPa) Crushing strength deformation	0.4	0.6	0.7	0.8
线收缩率 (%) Liner shrinkage	1.5	1.5	1.5	1.5
导热系数(平均温度70°C, W/m.k) Thermal conductivity	0.049	0.058	0.062	0.07
最高使用温度 (°C) Maximum service temperature	850	850	850	850

高温粘结剂

High-Temperature Binder

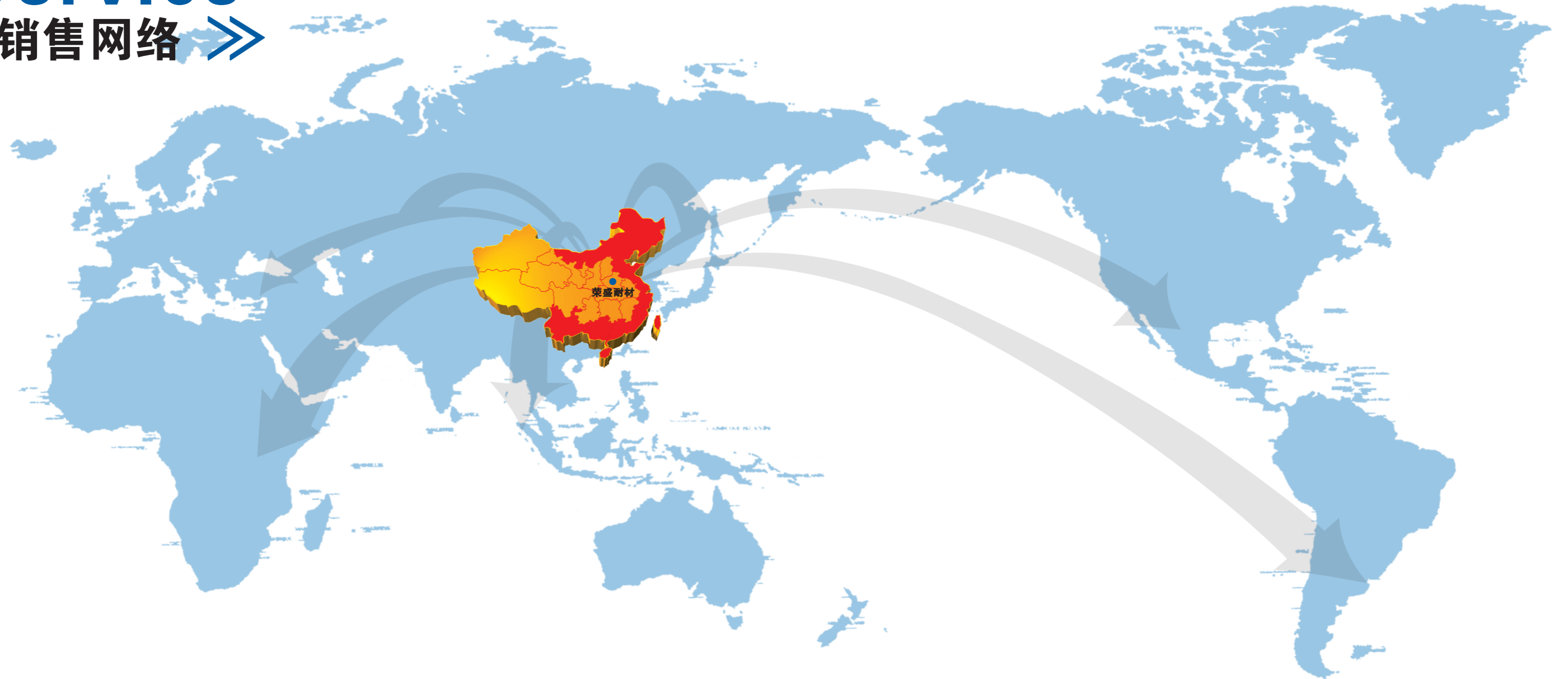
高温结合剂是一切保温材料制品的辅助产品,供硅酸铝纤维制品、岩棉、矿棉板硅酸钙绝热制品等耐火、保温材料、自身粘结或管道、金属平壁的粘结之用,也可用于耐火砖、泡沫砖等材料的砌筑。

High-temperature binder is a secondary product of all thermal insulating material. It can be used as the self-binder of various insulating material, refractory (aluminium silicate fibre products, rock wool board, microporous calcium silicate product) or the binder of steel tube, metal panel etc. When we masonry the refractory bricks, foam bricks etc, it is also useful.

项目/技术特征/名称 Item/characteristic/name	低温粘结剂 Low-temperature binder	中温粘结剂 Midium-temperature binder	高温粘结剂 High-temperature binder	高温涂料 High-temperature coating
工作温度(°C) Service temperature	800	1000	1300	1350
Al ₂ O ₃ (%)	25~30	30~40	55~65	60~65
SiO ₂ (%)	70~75	48~52	< 20	< 20
Fe ₂ O ₃ (%)	< 4	< 2	< 0.1	0.2~0.3
交货条件 Delivered term	糊状 Paste	糊状 Paste	液体及散体 Liquid or spread	液体及散体 Liquid or spread
包装方式 Packing method	桶装 Bucket	桶装 Bucket	液体桶装散体袋装 Bucket or bag	液体桶装散体袋装 Bucket or bag
保存期 Keeping period	(3°C以上)2年	(1°C以上)2年	(1°C以上)2年	(1°C以上)2年
使用说明 Usage elucidation	使用前应搅拌均匀 Mix equality before using		液体和散体混合均匀后,使其反应5-12小时后使用 Use after mixing equality and reacting 5-12 hours	
注意事项 Attention	施工完毕后,自然干燥慢时,可采用烘烤硬化 Be fit to bake after construction if dry slowly			

Sale and Service

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“诚招天下客，誉从质中来”。长期以来，公司十分注重与客户的友好合作，保证品质与服务，珍视荣誉，从而赢得了客户的信赖与支持。与朋友广泛合作，共享繁荣，也成为我们最真诚的追求。

"Soliciting clients in earnest, Win reputation by quality".

From the beginning, in order to win the customer's trust and support, our company always attaches great importance to friendly cooperation with customers, to ensure quality and service, and to value honor.

"To widely cooperate with friends and to share prosperity" has become our most sincere pursuit.

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Radiation throughout the country have the whole world in view

倾力 赢得市场

To win the market