



HENAN XINTAI REFRACTORY MATERIAL CO.,LTD.

RIGOROUS AND EFFICIENT

SEEKING TRUTH AND INNOVATING

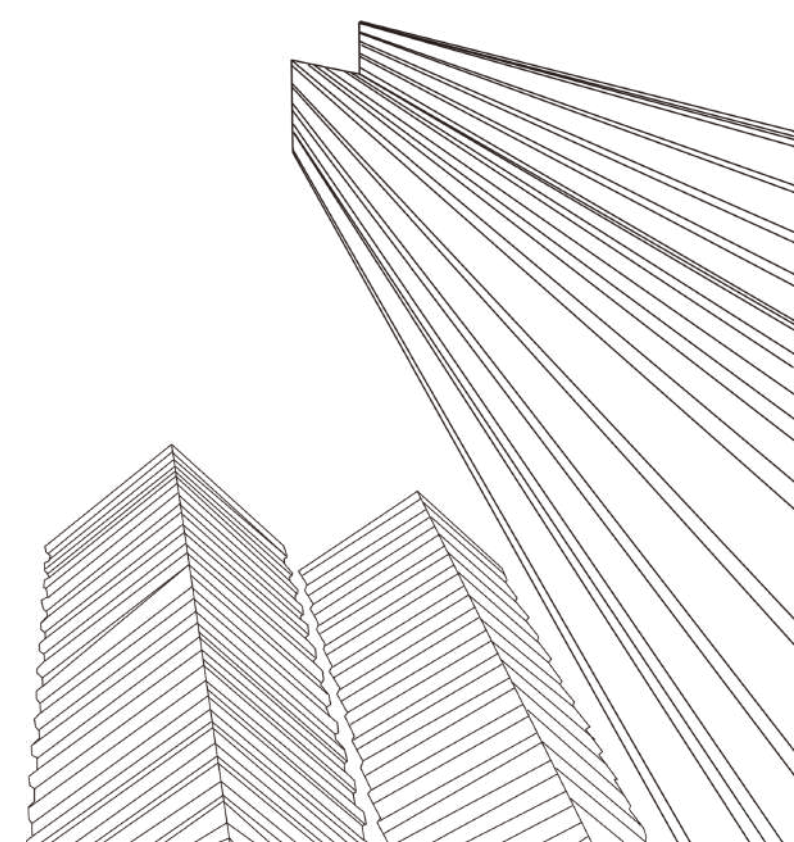
PURSUING EXCELLENCE

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COMPANY PROFILE

Henan Xintai Refractory Material Co., Ltd located in Xinmi City near Zhengzhou and Shaolin Temple, benefits from convenient transportation and abundant high-quality refractory resources. With over 20 years of experience, Xintai is a comprehensive enterprise integrating R&D, production, distribution, kiln construction, and support services.

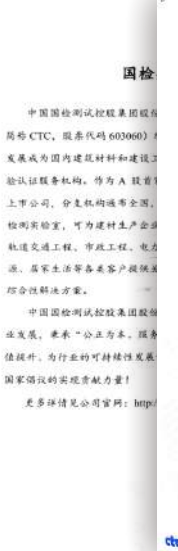
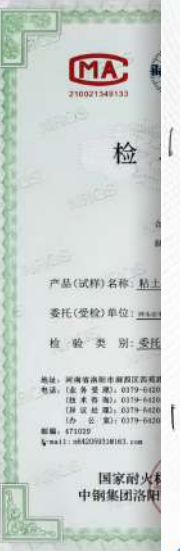
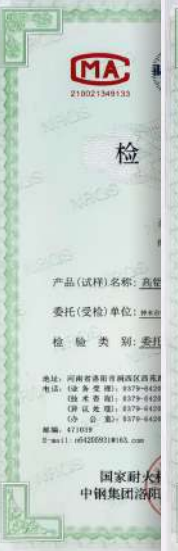
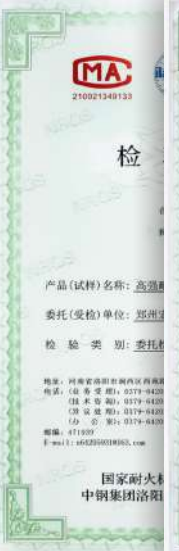
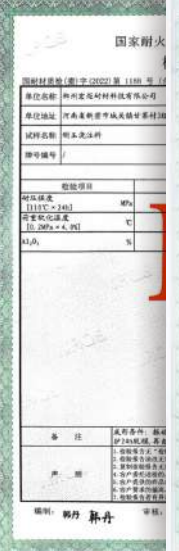
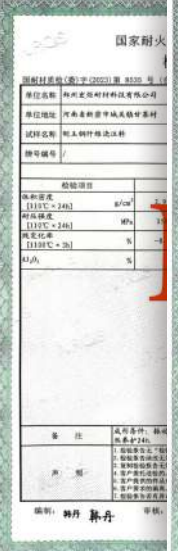
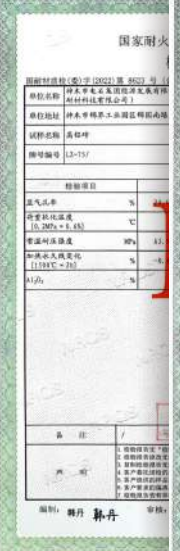
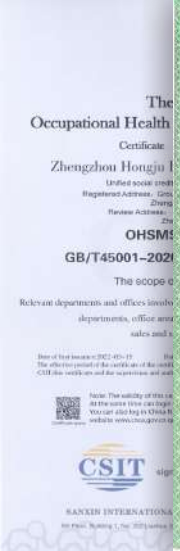
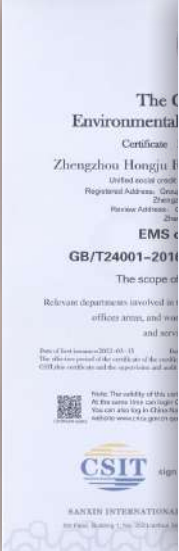
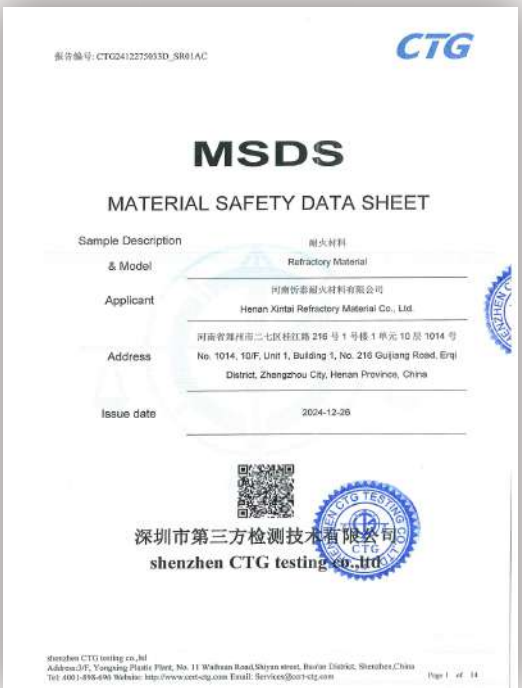
Our team includes 36 technical experts, 168 production and management staff, and a 42-member sales team, with an annual output of 65,000 tons of shaped and unshaped refractory products. We offer a full range of refractory solutions, including refractory bricks, castables, slurries, and high-performance materials, widely used in steel, cement, glass, non-ferrous metals, and chemical industries.

As a global leader, Xintai exports to Asia, Europe, the Americas, Africa, and the Middle East, adhering to international standards like ISO, CE, and MSDS. Our commitment to quality and innovation has earned us a strong reputation worldwide.

Guided by the principles of "Quality wins the market, integrity builds the brand," Xintai strives for excellence and mutual success, aiming to create a brilliant future with our partners.



Qualifications And Honors



Aluminum Silicon Series

High Alumina Brick



Item		Index					
		LZ-80	LZ-75	LZ-70	LZ-65	LZ-55	LZ-48
AL ₂ O ₃ (%)	≥	80	75	70	65	55	48
Apparent porosity(%)	≤	21(23)	24(26)	24(26)	24(26)	22(24)	22(24)
Cold crushing strength(MPa)	≥	70(60)	60(50)	55(45)	50(40)	45(40)	40(35)
0.2MPa Refractoriness Under Load (°C)	≥	1530	1520	1500	1480	1450	1420
Reburning Line Rate of Change (1500°C×2h)% PLC	Xmin Xmax	1500°C*2h -0.4 ~0.2		1450°C*2h -0.4 ~0.1			

Aluminum Silicon Series

Corundum Brick (GYZ) and Corundum Mullite Brick(GMZ)



Item		Index							
		GMZ-88	GMZ-85	GMZ-80	GMZ-75	GYZ-99A	GYZ-99B	GYZ-98	GYZ-95
AL ₂ O ₃ (%)	≥	88	85	80	75	99.0	99.0	98.0	95.0
Fe ₂ O ₃ (%)	≤	0.8	1.0	1.0	1.2	0.1	0.15	0.2	0.3
SiO ₂ (%)	≤					0.15	0.2	0.5	
Apparent porosity (%)	≤	15(17)	16(18)	18(20)	18(20)	19	19	19	20
Bulk density(g/cm ³)	≥	3.0	2.85	2.75	2.6	3.1	3.1	3.05	3.05
Cold crushing strength(MPa)	≥	120	100	100	80	80	80	80	100
0.2MPa Refractoriness Under Load(°C)	≥	1700	1680	1650	1650	1700			
Reburning Line Rate of Change (1500°C×2h)% PLC	Xmin Xmax	1500°C*2h -0.1 ~0.1		1500°C*2h -0.2 ~0.2		1600°C*3h -0.2~0.2		1600°C*3h -0.2~0.2	

Aluminum Silicon Series

Chrome Corundum Brick



Item		Index			
		GGZ-5	GGZ-12	GGZ-20	GGZ-30
Cr ₂ O ₃ (%)	≥	5	12	20	30
[Cr ₂ O ₃ + AL ₂ O ₃] (%)	≥	93	93	93	93
Fe ₂ O ₃ (%)	≤	0.3	0.3	0.3	0.3
Apparent porosity(%)	≤	18	18	18	18
Bulk density(g/cm ³)	≥	3.1	3.2	3.3	3.4
Cold crushing strength (MPa)	≥	100	100	100	100

Aluminum Silicon Series

Phosphate Bonded High Alumina Brick



Item			Index			
			P(Phosphate bricks)		PA(Phosphate bricks)	
			I	II	I	II
Chemical composition	AL ₂ O ₃ (%)	≥	75		77	
	Fe ₂ O ₃ (%)	≤	3.2		3.2	
	CaO (%)	≤	0.6		0.6	
Cold crushing strength (MPa)		≥	70	60	75	65
Bulk density (g/cm ³)		≥	2.70	2.65	2.75	2.70
0.2MPa Refractoriness Under Load(℃)		≥	1350	1300	1300	1250
Thermal stability (1100℃ , Water Cooling)/time			10			

Aluminum Silicon Series

Aluminum Silicon Carbide Brick



Item		Index				
		GLT-8	GLT-10	GLT-13	GLT-16A	GLT-16B
AL ₂ O ₃ (%)	≥	65	62	60	65	55
SiC(%)	≥	8	10	13	16	16
Apparent porosity(%)	≤	18	18	18	17	17
Bulk density(g/cm ³)	≥	2.8	2.85	2.85	2.85	2.8
Cold crushing strength (MPa)	≥	90	90	100	100	100
0.2MPa Refractoriness Under Load(°C)	≥	1530	1550	1580	1600	1580

Aluminum Silicon Series

Silica Brick



Item		Index				
		BG-96a	BG-96b	BG-95	JG-94	GZ-94
SiO ₂ (%)	≥	96	96	95	94	94
Fe ₂ O ₃ (%)	≤	0.6	0.8	1.0	1.5	1.4
AL ₂ O ₃ (%)	≤				1.5	
Apparent porosity(%)	≤	21	22	22	24	24
Cold crushing strength (MPa)	≥	40	35	30	35	30
0.2MPa Refractoriness Under Load(°C)	≥	1680	1670	1670	1650	1650
Reburning Line Rate of Change (1500°C×2h)% PLC	Xmin Xmax	1450°C*2h 0 ~0.2				

Aluminum Silicon Series

Clay Brick



Item		Index					
		ZMN-45	ZMN-42	PN-42	PN-40	PN-35	PN-30
AL ₂ O ₃ (%)	≥	45	42	42	40	35	30
Fe ₂ O ₃ (%)	≤	1.7	1.8	2.3			
Apparent porosity(%)	≤	12(14)	15(17)	21(23)	24(26)	26(28)	23(25)
Cold crushing strength (MPa)	≥	70(60)	65(55)	45(35)	35(30)	30(25)	30(25)
0.2MPa Refractoriness Under Load(℃)	≥	1480	1450	1400	1350	1320	1300
Reburning Line Rate of Change(%)	U-L	1450℃*3h -0.2 ~0.1		1400℃*2h -0.4 ~0.1		1300℃*2h -0.4 ~0.1	

Aluminum Silicon Series

Magnesia Brick



Item		Index				
		M-98	M-97	M-95	M-91	M-89
MgO(%)	≥	97.5	97	95	91	89
SiO ₂ (%)	≤	1.00	1.20	1.50	2.00	2.50
CaO(%)	≤			2.00	3.00	3.00
Apparent porosity(%)	≤	16	16	18	18	20
Bulk density(g/cm ³)	≥	3.0	3.0	2.95	2.9	2.85
Cold crushing strength (MPa)	≥	60	60	60	60	50
0.2MPa Refractoriness Under Load(℃)	≥	1700	1700	1650	1560	1500
Reburning Line Rate of Change(%)		1650℃*2h -0.2 ~0	1650℃*2h -0.3 ~0	1600℃*2h -0.5 ~0	1600℃*2h -0.6 ~0	

Aluminum Silicon Series

Magnesia Alumina Brick and Magnesium Aluminum Spinel Brick



Item		Index				
		Magnesium Aluminum Spinel Brick				Magnesita Alumina Brick
		MLJ-90	MLJ-85	MLJ-80	MLJ-75	ML-80
MgO(%)	≥	90	85	80	75	80
AL ₂ O ₃ (%)	≤	3~8	5~12	8~17	8~12	5~10
Apparent porosity(%)	≤	17	17	16	19	18
Bulk density(g/cm ³)	≥	2.9	2.95	2.95	2.85	2.85
Cold crushing strength (MPa)	≥	45	45	55	40	40
0.2MPa Refractoriness Under Load(℃)	≥	1700	1700	1700	1650	1500

Aluminum Silicon Series

Magnesita Carbon Brick



Item		Index				
		MT-5	MT-8	MT-10	MT-12	MT-16
MgO(%)	≥	85.0	80	75	75	70
C(%)	≥	5.0	8.0	10	12	16
Apparent porosity(%)	≤	5.0	6.0	16	5.5	4.0
Bulk density(g/cm ³)	≥	3.1	2.95	2.87	2.85	2.82
Cold crushing strength(MPa)	≥	50	40	35	35	30

Aluminum Silicon Series

Magnesia Chrome Brick



Item		Index				
		MGe-16A	MGe-16B	MGe-12A	MGe-12B	MGe-8
MgO (%)	≥	50	45	60	55	65
Cr ₂ O ₃ (%)	≥	16	16	12	12	8
Apparent porosity(%)	≤	19	22	16	19	19
Cold crushing strength (MPa)	≤	55	45	45	40	35
0.2MPa Refractoriness Under Load(℃)	≥	1650	1550	1650	1550	1650

Aluminum Silicon Series

Magnesia-iron Spinel Brick



Item		Index	
		MTL- I	MTL- II
MgO (%)	≥	85.0	82.0
Fe ₂ O ₃ (%)	≥	4.0	2.0~4.0
AL ₂ O ₃ (%)	≥	4.0	10.0
Cr ₂ O ₃ (%)	≤	0.5	0.5
Apparent porosity(%)	≤	18	18
Bulk density(g/cm ³)	≥	2.9	2.9
Cold crushing strength (MPa)	≥	50	50
0.2MPa Refractoriness Under Load(℃)	≥	1650	1680
Thermal expansion rate(1450℃)(%)		1.8	1.8

Thermal Insulation Brick Series

Clay-High Alumina (LZ) Insulating Refractory Brick



Item		Index						
		Clay insulation brick			LZ140-1.0	LZ140-0.8	LZ140-0.6	LZ140-0.5
AL ₂ O ₃ (%)	≥				42	42	42	42
Fe ₂ O ₃ (%)	≤				2.1	2.1	2.1	2.1
Bulk density(g/cm ³)	≤	0.8	1.0	1.2	1.0	0.8	0.6	0.5
Cold crushing strength (MPa)	≥	2.5	3.5	4.5	3.5	2.5	1.6	1.2
Heated permanent wire (%)		850℃*12h	950℃*12h	1050℃*12h	1350℃*12h		1300℃*12h	1200℃*12h
Thermal conductivity [average temperature (350℃±25℃)/(W/m·K)]	≤	0.35	0.4	0.5	0.5	0.35	0.25	0.2

Thermal Insulation Brick Series

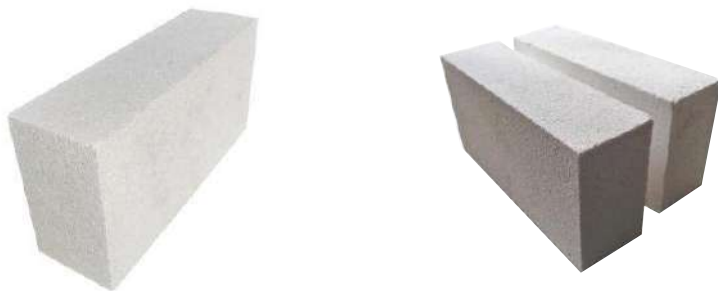
Mullite Insulation Brick



Item		Index			
		JM-23	JM-26	JM-28	JM-30
AL ₂ O ₃ (%)	≥	40	55	60	70
Fe ₂ O ₃ (%)	≤	1.0	1.0	0.8	0.7
Bulk density(g/cm ³)	≤	0.6~1.2	0.6~1.2	0.6~1.2	0.6~1.2
Cold crushing strength (MPa)	≥	1~3.5	1~3.5	1~3.5	1~3.5
Heated permanent wire(T/℃*12h) /%		1200~1500			
Thermal conductivity [average temperature (200℃~600℃)/(W/m·K)]	≤	0.18~0.56			

Thermal Insulation Brick Series

Alumina Hollow Ball Brick



Item		Index		
		99-1.4	99-1.6	99-1.8
AL ₂ O ₃ (%)		99	99	99
SiO ₂ (%)	≥	0.3	0.3	0.3
Fe ₂ O ₃ (%)	≤	0.2	0.2	0.2
Bulk density(g/cm ³)	≤	1.4	1.6	1.8
Cold crushing strength(MPa)	≥	6	10	12
Heated permanent wire (1600°C*3h) /(%)		-0.3~+0.3		
Thermal conductivity (hot surface 1000°C)/ (W/m·K)	≤	0.9	1.1	1.2

Ceramic Fiber Products

Ceramic Fiber Blanket



Item		Standard	High Pure	High Aluminum	Zirconium
Classification Temp(°C)		1260	1260	1360	1430
Service Temp(°C)		≤1050	≤1100	≤1200	≤1350
Color		White	White	White	White
Density(kg/m ³)		96-128	96-128	96-128	96-128
Permanent linear shrinkage (%)		1000°Cx24h ≤3	1000°Cx24h ≤3	1200°Cx24h ≤3	1350°Cx24h ≤3
Thermal conductivity average temperature(70+52)(w/m.k) (128kg/m ³)		0.09(400°C) 0.16(800°C)	0.09(400°C) 0.16(800°C)	0.12(600°C) 0.20(1000°C)	0.16 (800°C) 0.20 (1000°C)
Tensile strength (MPa)(128kg/m ³)		0.08-0.12	0.08-0.12	0.08-0.12	0.08-0.12
Chemical Composition (%)	AL ₂ O ₃	45-46	47-49	52-55	39-40
	AL ₂ O ₃ +SiO ₂	97	99	99	-
	AL ₂ O ₃ +SiO ₂ +ZrO ₂	-	-	-	99
	ZrO ₂	-	-	-	15-17
	Fe ₂ O ₃	≤1.0	≤0.2	≤0.2	≤0.2
	Na ₂ O+K ₂ O	≤0.5	≤0.2	≤0.2	≤0.2

Ceramic Fiber Products

Ceramic Fiber Board



Classification Temperature	DiePlate	Mechanism Board				Fire Baffle	
	1260	1260		1400		1260	1400
Brand	XB126M	XB126 A	XB126 B	XB140 A	XB140 B	XB126 D	XB140 D
Permanent Linear Change Rate% ℃x24h	≤ -41000	≤ -31000	≤ -31100	≤ -31200	≤ -31350	≤ -31000	≤ -31200
Thermal Conductivity w/(m·k)500℃	≤0.135						
Moisture Content %	≤1.5						
Organic Content %	Organic Content %						
Bulk Density Kg/m³	400	300				320	

Graphite Products

Graphite Products



Item		Unit	Regular Power		High bulk density		High Power		Ultra high power			
			φ250 -400	φ450 -600	φ250 -400	φ450 -600	φ250 -400	φ450 -600	φ250 -400	φ450 -500	φ550 -650	φ700 -750
Resistivity Max	Electrode	uΩm	8.2	8.8	7.0	7.4	6.2	6.5	5.7	6.0	6.0	5.8
	Nipple		5.5	5.5	4.8	4.8	4.5	4.5	4.0	4.0	4.0	4.0
Flexural Strength Min	Electrode	Mpa	8.2	7.0	10.0	10.0	11.0	11.0	12.0	12.0	10.0	10.0
	Nipple		18.0	18.0	19.0	19.0	20.0	20.0	21.0	21.0	21.0	21.0
Elastic Modulus Max	Electrode	Gpa	9.3	9.3	12.0	12.0	12.0	12.0	14.0	14.0	14.0	14.0
	Nipple		14.0	14.0	16.0	16.0	16.0	16.0	18.0	18.0	18.0	18.0
Bulk Density Min	Electrode	g/cm³	1.54	1.54	1.64	1.64	1.66	1.66	1.68	1.68	1.66	1.68
	Nipple		1.72	1.72	1.74	1.74	1.74	1.74	1.77	1.76	1.78	1.78
C.T.E(100-60 0℃)Max	Electrode	10 ⁻⁶ /℃	2.5	2.4	2.3	2.3	2.0	2.0	1.7	1.7	1.5	1.5
	Nipple		2.0	2.0	1.8	1.8	1.6	1.6	1.3	1.3	1.3	1.3
Ash Max	Electrode	%	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
	Nipple											

Unshaped Refractories

Clay and High Aluminium Refractory Castable



Item		Clay Castable		High Alumina Plastic		
		KSL-35	KSL-40	KSL-60	KSL-75	KSL-80
Al ₂ O ₃ (%) ≥		35	40	60	75	80
Bulk Density(g/cm ³) ≥ 110℃×24h		2.15	2.20	2.35	2.50	2.65
Cold Crushing Strength(MPa) ≥110℃×24h		25	35	50	60	70
Room temperature flexural strength (MPa)≥	110℃×24h	2.0	2.5	2.5	3.0	3.0
	1300℃×3h	3.0	3.5	3.5	4.0	5.0
Heating permanent line change (%)		-1.5~0(110℃×24h)				
Heating permanent line change (%)		-1.5~0(1300℃×3h)		-1.5~+0.5(1300℃×3h)		-1.0~+0.5 (1500℃×3h)
Plasticity index(%)		12~35				
Moisture content(%)≤		10.0				

Unshaped Refractories

Corundum Castable



Item		NMJ-1	NMJ-2	NMJ-3	NMJ-4	NMJ-5
Al ₂ O ₃ (%)≥		90	85	80	75	70
SiO ₂ (%) ≤			10	13	19	20
≥Bulk Density (g/cm ³)		2.9	2.85	2.80	2.75	2.70
Cold Crushing Strength (MPa) ≥	110℃×24h	60	110	85	80	70
	1100℃×3h	70 (1500℃×3h)	140	110	100	85
Modulus of Rupture (MPa) ≥	110℃×24h	6	13	12	11	8
	1100℃×3h	10 (1500℃×3h)	16	14	12	9
Wear and tear at room temperature (cc)≤			4	5	6	7
Thermal shock stability (900℃ water-cooled)(times)≥			20	25	25	25

Unshaped Refractories

High-strength Wear-resistant Refractory Castable



Item		NMJ-1	NMJ-2	NMJ-3	NMJ-4	NMJ-5
Al ₂ O ₃ (%)≥		85	80	80	75	70
Bulk Density (g/cm³) ≥		3.0	3.0	2.9	2.8	2.6
Cold Crushing Strength (MPa) ≥	110℃×24h	150	120	120	90	75
	1100℃×3h	60	130	130	110	90
Modulus of Rupture (MPa) ≥	110℃×24h	22	20	18	15	15
	1100℃×3h	26	23	20	18	16
Permanent linear change (1100℃×3h,%)		-0.15~0	-0.2~0	-0.2~0	-0.2~0	-0.3~0
The amount of room temperature wear (cm³) ≤		3	3.5	5	7	8

Prefabricated Blocks



WORKSHOP





INSPECTION EQUIPMENT

PROJECT CASES



CONSTRUCTION