FAEA

Precision Refractories.
Proven Performance.

Delivering world-class
refractory products

www.fabeastasia.com

FABEAST ASIA
MINING & MINERALS

OUR SERVICES

Our Commitment to Excellence

We pride ourselves on delivering a comprehensive product portfolio backed by dedicated after-sales support – setting a benchmark for quality and service in the refractory industry. Our tailored solutions are designed to optimize your unique processes, ensuring unmatched performance and reliability.

Core Product Offerings

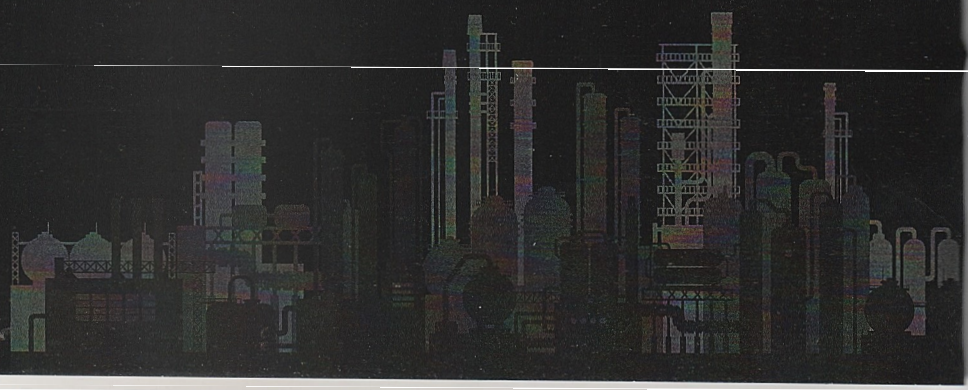
Explore our cutting-edge range of refractory solutions:

- High Alumina Bricks
- Ramming & Gunning Mixes
- Felting & Spraying Mixes
- Low Cement (LC) & Ultra-Low Cement (ULC) Castables
- Alumina Castables
- EBT (Electric Arc Furnace Bottom Tapping)
- NFC (Non-Ferrous Castables)

State-of-the-Art Infrastructure

Our robust infrastructure is the backbone of our superior product quality and innovation

- Grinding Section: Jaw Crusher, Impact Mill, Disintegrator, Pulverizer
- Mixing Section: Muller Mixer - 2 Units, U Mixer
- Press Section: Screw Press (150, 120, 80 Ton), Hydraulic Press (100 Ton)
- Kiln Section: Round DD Kilns (120, 100, 80 Ton)
- Cooling & Screening: Cooling Fans, Vibrating Screen with Damp Magnetic System



PRODUCT GALLERY

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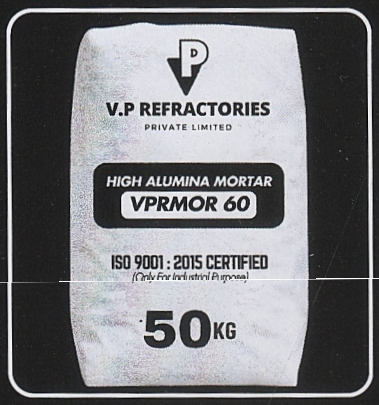
Welcome to our Product Showcase! Explore our range of high-performance refractory solutions, designed to enhance efficiency, durability, and productivity across various furnace operations. From premium-quality ramming mass to specialized filling compounds, each product is crafted for superior thermal resistance, corrosion protection, and cost-effective performance. Discover innovative materials that drive excellence in the steel and metal industries.

High-Alumina Shaped Bricks



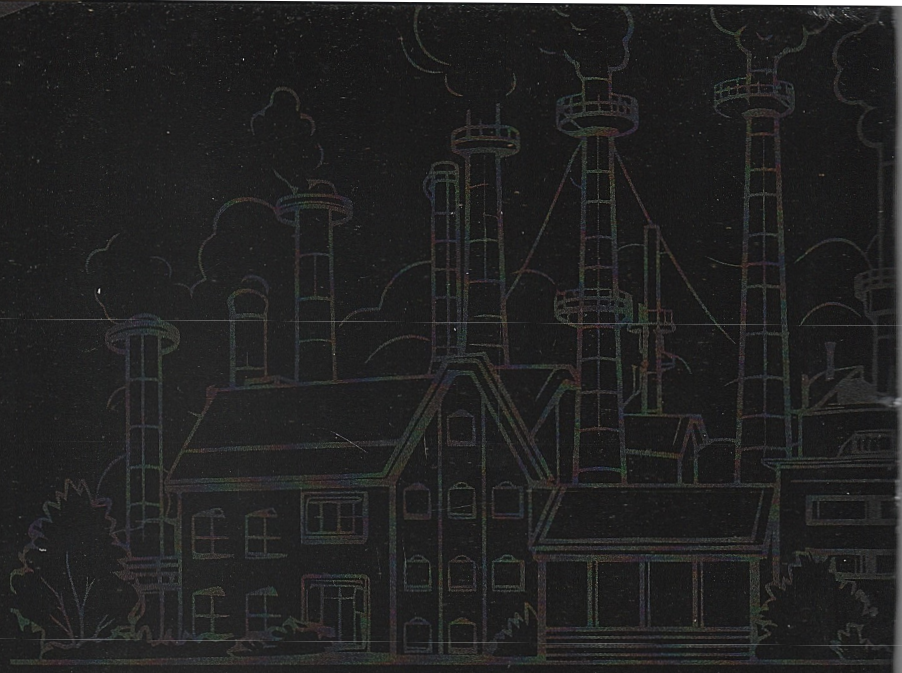
High-Alumina Mortar

Alumina Castable

Low Cement Castables

Nozzle and EBT Filling Mass

Gunning & Ramming Mass



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ALUMINA BRICKS

Made from bauxite and kaolinitic clays, high-alumina refractories are roasted to form synthetic alumina and mullite ($3Al_2O_3 \cdot 2SiO_2$). Containing 50-90% alumina, they offer superior performance over fireclay refractories.

Key Advantages:

- Excellent corrosion resistance to neutral and acidic slags.
- High resistance to metal penetration at elevated temperatures.
- Improved thermal shock and abrasion resistance.
- Low thermal conductivity and expansion.

Applications:

Used in blast furnaces, stoves, and liquid-iron ladles, these refractories excel in high-temperature and harsh environments.

Dense Alumina Bricks										
ITEM	Al2O3% (Min)	Fe2O3% (Max)	BD g/cc (Min)	AP% (Max)	CCS kg/cm² (Min)	PCE Orton Cone (Min)	RUL Ta°C (Min)	PLC% (Max)/2hrs	Service Temp°C Max	Application Area
VPR-30D	30	2.3	2	20	350	30	1350	±1 @ 1350°C	1350	Coke Oven, Blast Furnace Battery
VPR-35D	35	2.3	2.05	20	350	32	1350	±1 @ 1350°C	1400	For Blast Furnace
VPR-39HG	39	1.8	2.1	18	400	33	1450	±0.5 @ 1450°C	1400	BF Hearth & Bottom, Hot Metal Ladle
VPR-40HG	40	2	2.1	18	400	33	1450	±0.5 @ 1450°C	1400	BF Stove Wall, Coke Oven Battery
VPR-42HG	42	1.8	2.2	18	400	33	1450	±0.5 @ 1450°C	1430	BF Hearth, Bottom, Ladle
VPR-45D	45	1.8	2.25	18	450	33	1450	±0.5 @ 1450°C	1450	Bosch Tuyer Zone, Coke Oven Battery
VPR-50D	50	1.5	2.3	18	450	34	1500	±0.5 @ 1500°C	1450	For Coke Oven Battery

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Medium Alumina Bricks

ITEM	Al2O3% (Min)	Fe2O3% (Max)	BD g/cc (Min)	AP% (Max)	CCS kg/cm² (Min)	PCE Orton Cone (Min)	RUL Ta°C (Min)	PLC% (Max)/2hrs	Service Temp° C Max	Application Area
VPR-40	40	3.5	2.05	25	300	32	1350	±1.5 @ 1400°C	1400	General Purpose, Steel Ladle Safety
VPR-45D	45	3.5	2.15	22	350	32	1400	±1 @ 1450°C	1400	Heat Treatment Units, Forging Units
VPR-50	50	3.5	2.3	22	350	33	1400	±1 @ 1400°C	1450	General Purpose Safety Line Refractories

High Alumina Bricks

ITEM	Al2O3% (Min)	Fe2O3% (Max)	BD g/cc (Min)	AP% (Max)	CCS kg/cm² (Min)	PCE Orton Cone (Min)	RUL Ta°C (Min)	PLC% (Max)/2hrs	Service Temp°C Max	Application Area
VPR-HA-60	60	3.5	2.4	23	400	34	1450	±1 @ 1450°C	1500	Reheat Furnace Walls, Soaking Pit Walls
VPR-HA-70	70	3.5	2.6	23	500	36	1470	±2.5 @ 1450°C	1550	Steel Ladle Lining up to 60T Capacity
VPR-HA-80	80	2	2.8	20	600	38	1600	±2 @ 1500°C	1650	RF/VAD/VOD Working Lining

Dense High Alumina Bricks

ITEM	Al2O3% (Min)	Fe2O3% (Max)	BD g/cc (Min)	AP% (Max)	CCS kg/cm² (Min)	PCE Orton Cone (Min)	RUL Ta°C (Min)	PLC% (Max)/2hrs	Service Temp°C Max	Application Area
VPR-62D	62	1.5	2.55	16	600	36	1550	±0.5 @ 1500°C	1600	Blast Furnace Bottom
VPR-70(S)	70	2.5	2.65	18	600	37	1550	±1.5 @ 1500°C	1600	Steel Ladle High Capacity Working Lining
VPR-72D	72	1	2.65	18	600	38	1650	±0.5 @ 1500°C	1650	Blast Furnace & Fertilizer Units
VPR-85D	85	1.5	2.9	18	600	38	1600	±0.5 @ 1500°C	1680	Sponge Iron, Fertiliser Units
VPR-90D	90	0.5	3	18	900	40	1700	±0.2 @ 1600°C	1750	EAF Roof, Petrochemical, Fertilizer Industries
VPR-MULLITE	70	0.5	2.6	20	600	37	1650	±0.3 @ 1600°C	1700	Blast Furnace
VPR Silimanite	58	0.5	2.55	18	600	37	1600	±0.3 @ 1600°C	1650	Blast Furnace & Glass Industries

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ALUMINA MORTAR

Fireclay mortar is a specialized material without cement or binder, ideal for use in thin joints with firebricks not exposed to moisture.

Advantages:

- High Strength: Ensures durable and reliable structures.
- Excellent Performance: Performs well under demanding conditions.
- Low Drying and Baking Shrinkage: Maintains dimensional stability during use.
- High Refractory Capacity: Withstands high temperatures effectively.
- High Bonding Strength: Ensures strong adhesion for robust construction.

ITEM	Al_2O_3 % (Min)	Fe_2O_3 % (Max)	Grain Size (mm)	Setting Type	PCE Softening Point (°C)	Sintering Temp. (°C)	Service Temp. (°C)	Application Area
VPRMOR-20A	20	4.5	0 to 0.5	Air	1600	1200	1350	Fixing plates and settings in steel cassettes.
VPRMOR-40	40	3.5	0 to 0.5	Air	1680	1200	1400	General-purpose use.
VPRMOR-HS	50	2	0 to 0.5	Air	1700	1200	1550	Brick jointing, setting, pointing, and quick patch repairs.
VPRMOR-HG	42	2	0 to 0.5	Air	1750	1200	1500	Laying of high-temperature structures.
VPRSET-50F	50	2.5	0 to 0.1	Chemical	1700	1150	1550	RHF walls, bottoms, roofs, arc furnace roofs, steel ladles.
VPRSET-50N	50	3	0 to 0.5	Air	1700	1100	1550	General-purpose use, re-rolling mills.
VPRMOR-60	55	3	0 to 0.5	Air	1700	1100	1600	RHF walls, roofs, steel ladles (slag zone), calcining zones, and general- purpose uses.
VPRMOR-70	65	3.5	0 to 0.5	Air	1750	1100	1600	Working lining for steel ladles, VAD & VOD ladles, burning zones, and general-purpose uses.
VPRMOR-70A	69	2.5	0 to 0.3	Chemical	1750	1200	1650	Fixing ladle nozzles, well blocks, and collecting nozzles.
VPRMOR-80A	75	2	0 to 0.5	Chemical	1750	1300	1600	Working lining for steel ladles, VAD & VOD ladles, burning zones, and general-purpose uses.
VPRMOR-90K	89	0.5	0 to 0.1	Chemical/ Ceramic	1750	1200	1750	Jointing S.G. plates/nozzles.

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ALUMINA CASTABLE

These castables are refractory materials made from bauxite, andalusite, or sillimanite, mixed with a binding agent. They offer high strength, volume stability, and alumina content between 60-90%, ensuring robustness at high temperatures. Ideal for areas unsuitable for bricks, they are widely used in boiler linings, blast furnaces, heating furnaces, ceramic kilns, and industrial furnaces.

Advantages:

- Good thermal shock resistance
- High compressive strength
- Good corrosion resistance

Alumina castables offer versatility and ease of application, allowing them to be poured, rammed, or gunned into complex shapes and intricate furnace structures.

ITEM	Al2O3 % (Min)	Fe2O3 % (Max)	Grain Size (mm)	Dry Density (g/cc)	CCS (kg/cm²)	PLC % @ Temp	Refractoriness (°C)	Service Temp. (°C)	Application Area
VPR CAST (NOR)	45	4	5	2.1	250	±1.0% @ 1400°C / 2hrs	1580	1400	Foundries, Boilers, and Burners
VPR CAST (SPL)	45	3.5	5	2.25	350	±0.8% @ 1400°C / 2hrs	1580	1400	Rolling Mill Steel Ladle
VPR CAST (SUPER)	70	4.1	5	2.4	350	±1.0% @ 1400°C / 2hrs	1680	1400	Boilers, Power Plant Foundries, Steel Ladles
VPR HEAT "C"	50	2	5	2.2	350	±1.5% @ 1500°C / 2hrs	1665	1550	Steel Ladle Backup, Rotary Kilns, Furnace Walls
VPR HEAT "K"	60	1.5	5	2.4	400	±1.5% @ 1550°C / 2hrs	1683	1600	Nozzle Tips, Rotary Kilns, Sponge Iron
VPR HEAT "M"	80	1.5	5	2.65	600	±1.0% @ 1550°C / 2hrs	1804	1700	Steel Ladle Spout
VPR HEAT "A"	88	1	5	2.75	650	±1.0% @ 1550°C / 2hrs	1820	1750	BOF and Steel Ladle Bottom

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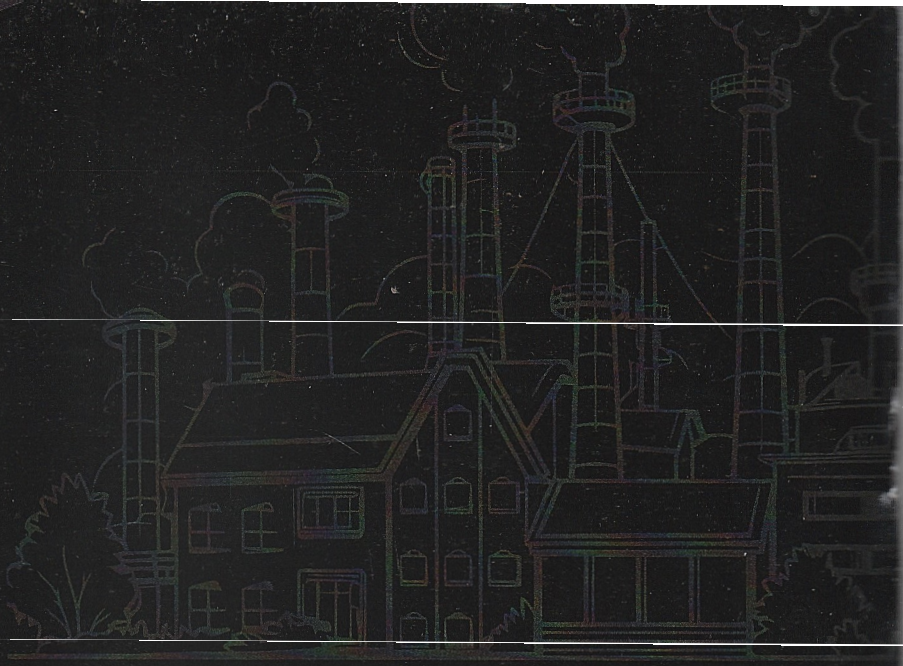

LOW CEMENT CASTABLE

We specialize in manufacturing Low and Special Cement Castables, characterized by reduced cement and calcium oxide content. Unlike traditional castables, these formulations use finely graded aggregates with optimized particle sizes, refined powders, and precise grading to enhance performance. The result is a denser structure with lower porosity, higher strength, and improved durability.

Advantages:

- High fire and operating temperatures
- Low sintering temperature with excellent alkali resistance
- Low porosity and high bulk density
- Enhanced flexural strength with increasing heat treatment
- Superior fire resistance, compressive strength, and slag erosion resistance

ITEM	Al_2O_3 % (Min)	Fe_2O_3 % (Max)	Service Temp. (°C Max)	Dry Density (g/cc Min)	CCS (kg/cm²) at 110°C (Min)	CCS at 1100°C (Min)	CCS at 1500°C (Min)	PLC at 1500°C (Max)	Water Required for Casting %	Application Area
VPR LC 45	45	1.5	1500	2.2	600	750	900	±1.0	6 to 6.5	Sponge Iron Rotary Kiln, Cement Kiln, DRI Kiln, Incinerators
VPR LC 60	60	1.5	1600	2.45	650	800	1000	±1.0	5.5 to 6	
VPR LC 70	70	1.8	1600	2.6	700	900	1100	±1.0	5 to 5.5	Tundish Ladle Backup, DRI, Alumina Kiln
VPR LC 80	80	1.8	1700	2.7	800	1000	1200	±1.0	5 to 5.5	DRI Kiln, Alumina Kiln, Sponge Kiln, Rotary Kiln
VPR LC 90	90	1	1750	2.85	900	1100	1200	±1.0	4 to 4.5	Striking Pads, Launders
VPR MUL LC 60	60	1	1600	2.5	700	900	1000	±1.0	6 to 6.5	Mullite-based special castables for high-temperature applications

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GUNNING MASS

We produce top-quality gunning materials using premium Dead Burnt Magnesite with MGO content ranging from 88% to 94% and minimal silica residue. When combined with appropriate binders, these materials significantly reduce rebound loss, offering superior performance.

Advantages:

- Versatility: Suitable for both new linings and repair of worn-out linings.
- Ease of Application: Enables repairs in hard-to-reach areas without formwork or shuttering, reducing downtime.
- Cost Efficiency: Extends the service life of refractory linings at a lower cost.
- Enhanced Performance: Formulated to minimize rebound loss and dust, improving operational efficiency.

Our gunning mixes are engineered to meet diverse industrial requirements, ensuring durability and reliability.

ITEM	MgO% (Min)	Fe_2O_3 % (Max)	SiO_2% (Max)	CaO% (Max)	BD at 110°C g/cc	CCS at 110°C (kg/cm²)	PLC % at 1500°C	Appl. Temp (°C)	Application Area
VPR GUN - 82	82 ±1	1.5	4 to 5	4	2.65	200	-2	1700	Steel Ladle, EAF for mild & low-alloy steel
VPR GUN - 90	90 ±2	1.2	3 to 3.5	2.5	2.7	250	-1.5	1750	EOF, BOF stadium & mouth for high-quality steel
VPR GUN - 92	92	1.2	2	2	2.75	250	-1.5	1750	EOF high capacity, Converter tuyere zone

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SPRAY MASS

The spray mix we produce is a specialized refractory mix composed of fines and additives, designed for installation using a spraying machine, though it is also compatible with gunning machines.

Our spray mix is ideal for the working lining of tundishes, a critical component in delivering high-quality, cost-effective steel. The product is engineered to enhance operational efficiency and durability.

Advantages:

- High corrosion and erosion resistance to molten steel
- Extended service life compared to traditional tundish boards
- Enhanced lining integrity for improved steel quality

ITEM	MgO % (Min)	Fe2O3 % (Max)	SiO2 % (Max)	Dry Density (g/cc)	PLC % at 1500°C (Max)	Sintering Temp (°C)	Application Temp (°C)	Application Area
VPR MAG SPRAY 50	44	8	40	1.80 – 1.90	-4	750	1600	Spraying of bottom and walls of tundish wear linings
VPR MAG SPRAY 60	56	6	33	1.80 – 1.90	-3	750	1600	
VPR MAG SPRAY 70	66	5	25	1.85 – 1.95	-2.5	750	1600	
VPR MAG SPRAY 75	75	4.5	18	1.85 – 1.95	-2	750	1600	
VPR MAG SPRAY 80	78	3	14	1.85 – 1.95	-2	750	1650	

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NOZZLE & EBT FILLING MASS

Nozzle Powder:

A high-temperature resistant refractory material with excellent flow, made from a blend of Chromite, Zirconia, Alumina, and Silica. It ensures consistent free openings and minimizes ladle turnaround time.

Advantages:

- Reduces lancing
- Improves production quality
- Lowers pollution

EBT Filling Mass:

A high-refractory granular material for Electric Arc Furnaces (EAF) with Eccentric Bottom Tapping (EBT). It enhances molten steel flow and extends the life of tap hole refractories.

Advantages:

- Free opening of tap hole
- Minimizes lancing
- Increases refractory life

ITEM	MgO % (Min)	SiO2 % (Max)	Fe2O3 % (Max)	Cr2O3 % (Max)	Carbon %	Service Temp. °C (Max)	Application Area
VPR-EBT-I	44 to 45	40	5 to 8	Traces	2 to 4	1600	Filing Mass for EBT furnace
VPR-EBT-II	76 to 80	5	3	Traces	2 to 4	1650	Filing Mass for EBT furnace
NOZZLEX CR3	6 to 8	35	10	30	2 to 4	1700	Tundish Nozzle opening (Chrome)
NOZZLEX CR5	8 to 10	20	10 to 12	50	2 to 4	1750	Tundish Nozzle opening (Chrome)
NOZZLEX ZR5	2 to 4	15 to 18	Traces	60 (ZrO2)	2 to 4	1750	Tundish Nozzle opening (Zircon)

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RAMMING MASS

We offer high-quality refractory ramming mass, including Alumina Ramming Mass (40% to 90% Al2O3) and Basic Ramming Mass (80% to 92% MgO). These materials are designed to prevent anti-coating, corrosion, and erosion in furnaces.

Alumina Ramming Mass is ideal for use in non-ferrous and ferrous industries. It serves as a lining and patching material for holding ladles, iron and slag tapping furnaces, arch roofs, and high-temperature applications like rotary iron melting furnaces and repairs.

Basic Ramming Mass is made from high-quality Dead Burnt Magnesite clinker, mixed with alumina or chrome and bonded with clays and chemical binders for improved sintering characteristics. It is ideal for use in induction and arc furnaces, suitable for producing high-quality alloy, mild, and low alloy steel.

Advantages:

- Excellent resistance to temperature changes
- Reduced heating and sintering time via dry preparation
- Protects induction furnace coils and improves lining life
- Increases productivity by reducing furnace downtime

ITEM	Al_2O_3 % (Min)	MgO % (Max)	Fe_2O_3 % (Max)	Rammed B.D at 110 °C (Min)	Sintering Temp °C	Service Temp °C	Application Area
VPR-AL-RAM-40	38 to 40	20	2.5	2	1100	1500	Non-Ferrous Industries
VPR-AL-RAM-70	68 to 70	20	2.5	2.5	1100	1650	High-temperature applications in steel plants
VPR-AL-RAM-EAF	60 to 65	18 to 20	2.8	2.45	1100	1650	Electric Arc Furnace
VPR-PLAST-90	88 to 90	12 to 14	1.0	2.75	1200	1750	Electric Arc Furnace

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Premium Quality Materials:

Our ramming mass is made from high-purity materials like Dead Burnt Magnesite and Alumina, ensuring superior durability and reliability.

Key Features:

- Excellent thermal shock resistance
- High corrosion and erosion resistance
- Suitable for temperatures up to 1750°C
- Enhanced Efficiency:
- Extends furnace lining life
- Reduces downtime
- Increases overall productivity for steelmaking and induction furnaces

Customizable Solutions:

- Available in customized particle sizes
- Specialized grades for various industrial applications

Brand	MgO % (Min)	Fe2O3 % (Max)	Cr2O3 % (Max)	Rammed B.D at 110 °C Min	SiO2 % (Max)	CaO % (Max)	Service Temp in °C	Application Area
VPR MAG RAM (IF)	70	3.5	8	2.5	6.00	2.5	1750	Medium to high frequency induction furnaces making mild & alloy steel
VPR MAG RAM (LFX)	85	1.5	1.5	2.6	8.00	2	1750	For special and manganese steel induction furnaces
VPR MAG RAM 84	84	1.5	2	2.6	8.50	2	1750	For construction and repairs of steel operating basic slags (EAF) furnaces
VPR MAG RAM 87	87	1.5	1	2.65	7.50	2	1750	
VPR MAG RAM 92P	90	1	0.5	2.7	4.50	1.5	1700	Various applications in ferrous & non-ferrous industries
VPR MAG RAM 95	94	1	0.5	2.75	1.50	1.5	1750	Ramming of tap hole of BOF, EAF, converter, etc.
VPR MAGFET	65	3	Traces	2.4	10.00	2	1650	Fettling of slag line of EAF, tundish coating, steel launder coating, patching of slag line of steel ladle, etc.
VPR DRY RAMMING (B)	80	7.5	0.5	2.45	2.00	5	1700	BOF and EAF bottom hearth ramming

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Our INDUSTRY APPLICATIONS

Steel Industry

Our ramming masses, castables, and mortars ensure durability in blast furnaces, ladles, and tundishes, enhancing thermal performance and production efficiency.

Cement Industry

High-quality alumina bricks and castables optimize heat retention and minimize downtime in rotary kilns and preheater towers for efficient cement production.

Non-Ferrous Metal Industries

Specialized gunning and spray masses provide superior protection and safety in aluminum smelters and copper refining operations.

Power Plants & Boilers

Spray masses and low cement castables offer insulation and abrasion resistance for smooth, cost-effective energy generation.

WHY CHOOSE US?

We stand out in the refractory industry by offering unparalleled expertise, quality, and support. Here's why partnering with us is the right choice:

Decades of Expertise

- Over 20 years of experience in manufacturing top-quality refractory products, trusted by leading industries for their high-temperature needs.

Customizable Solutions

- We specialize in tailored refractory solutions that align with specific industrial applications, ensuring maximum performance and cost-efficiency.

Global Quality Certifications

- Certified with ISO 9001:2015, ISO 45001:2018, and ISO 14001:2015, demonstrating our commitment to quality management, safety, and sustainable practices.

Commitment to Innovation and Sustainability

- Advanced technologies and eco-friendly materials are at the core of our product development, helping industries achieve sustainable operations without compromising performance.

Strong After-Sales Support

- Comprehensive technical support, maintenance guidance, and a dedicated team to ensure smooth operations and extended product life.

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TECHNICAL DATA
MEDIUM & HIGH DUTY BRICKS & SUPER DUTY BRICKS

MEDIUM & HIGH HEAT DUTY BRICKS

BRAND	Al_2O_3 (Min)	Fe_2O_3 (Max)	PCE O.C. (Min.)	A.P. % (Max.)	B.D. Gm/cc (Min.)	C.C.S Kg/cm² (Min.)	R.U.L Ta°C (Min.)	PLCAR At°C/2hrs. % (Max.)	Application
MRCPL-30	30	2.0	30	25	2.00	200	1350	1350±1.0	General purpose MHD (IS-6, Type-II)
MRCPL-30D	34	2.0	31	22	2.10	250	1350	1350±0.5	Dense Medium Heat Duty having abrasion resistance
MRCPL-GT	36	2.0	31	23	2.10	250	1400	1400±0.5	For Glass Tank Block
MRCPL-40	38	2.0	32	25	2.10	300	1400	1400±1.0	General purpose MHD (IS-8, Type-II)
MRCPL-40D	40	2.0	32	23	2.15	300	1400	1400±0.5	Dense High Heat Duty having abrasion resistance
MRCPL-40SD	40	1.8	32	18	2.20	400	1420	1400±0.4	Dense High Heat Duty having abrasion resistance

SUPER HEAT DUTY BRICKS

BRAND	Al_2O_3 (Min)	Fe_2O_3 (Max)	PCE O.C. (Min.)	A.P. % (Max.)	B.D. Gm/cc (Min.)	C.C.S Kg/cm² (Min.)	R.U.L Ta°C (Min.)	PLCAR At°C/2hrs. % (Max.)	Application
MRCPL-42	42	2.0	33	22	2.20	300	1420	1420±0.8	General purpose Super Heat Duty Bricks
MRCPL-42D	42	2.0	33	20	2.20	400	1450	1450±0.5	Dense Super Heat Duty having abrasion resistance
MRCPL-42SD	42	1.5	33	18	2.30	500	1470	1450±0.3	High Density High Abrasion resistance bricks for Alumina Indus.
MRCPL-45	45	1.5	33	23	2.25	400	1450	1450±0.5	General purpose Super Duty Bricks
MRCPL-45D	45	1.5	34	18	2.30	450	1480	1480±0.5	45%Al_2O_3 High abrasion volume resistance at elevated temperature

Note: The data related to Standard Size Pressable Bricks. These are subject to varifiaction for bigger Pressable & Hand Moulded Shapes. Size Tolerance : ±1.5% or ±2mm whichever is greater. The above data are not guaranted value. The represent typical average Properties.

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TECHNICAL DATA
BLAST FURNACE BRICKS

BLAST FURNACE BRICKS

BRAND	ZrO_2 % (Min)	Al_2O_3 (Min)	Fe_2O_3 (Max)	PCE O.C. (Min.)	A.P. % (Max.)	B.D. Gm/cc (Min.)	C.C.S Kg/cm² (Min.)	R.U.L Ta°C (Min.)	PLCAR At°C/2hrs. % (Max.)	Application
MRCPL-BF-39	-	39	1.5	33	18	2.2	400	1480	1450±0.5	Dense Quality Blast Furnace Stack & Wall Bricks
MRCPL-BF-45	-	45	1.5	34	18	2.3	500	1520	1500±0.5	Do
MRCPL-BF-62	-	62	1.2	36	16	2.5	600	1520 4 KG/ cm²	1600±0.5	Do

Note: The data related to Standard Size Pressable Bricks. These are subject to varifiaction for bigger Pressable & Hand Moulded Shapes. Size Tolerance : ±1.5% or ±2mm whichever is greater. The above data are not guaranted value. The represent typical average Properties.

FABEAST ASIA
MINING & MINERALS

TECHNICAL DATA
DENSE HIGH ALUMINA BRICKS
HIGH ALUMINA BRICKS

DENSE HIGH ALUMINA BRICKS

BRAND	Al O (Min)	Fe O (Max)	PCE O.C. (Min.)	A.P. % (Max.)	B.D. Gm/cc (Min.)	C.C.S Kg/cm² (Min.)	R.U.L Ta°C (Min.)	PLCAR At°C/2hrs. % (Max.)	Application
MRCPL-80D	80	1.0	38	18	2.80	600	1600	1600±0.2	Super Dense High Alumina Bricks for VOD, VAD Rotary Kiln & Glass
MRCPL-70D	70	1.2	37	20	2.60	600	1550	1600±0.5	Do
MRCPL-62D	62	1.0	36	18	2.50	600	1600	1500±0.2	Dense Sillimanite Bricks for Steel, Glass & Chemical Industries
MRCPL-62	62	1.5	36	22	2.40	400	1520	1500±0.5	Do
MRCPL-60AD	60	1.0	36	18	2.45	600	1600	1550±0.5	Do
MRCPL-Silli (D)	58	1.2	36	18	2.40	500	1550	1500±0.5	Do
MRCPL-Silli	56	1.5	36	23	2.30	450	1500	1500±0.8	Low Iron High alumina Bricks for Steel, Glass & Chemical Industries
MRCPL-50K	50	1.5	34	23	2.25	500	1500	1450±0.5	Do

HIGH ALUMINA BRICKS

BRAND	Al O (Min)	Fe O (Max)	PCE O.C. (Min.)	A.P. % (Max.)	B.D. Gm/cc (Min.)	C.C.S Kg/cm² (Min.)	R.U.L Ta°C (Min.)	PLCAR At°C/2hrs. % (Max.)	Application
MRCPL-80B	80	3.0	38	22	2.70	500	1500	1600±1.5	Spl.Bricks for Burning Zone for Cement/Sponge Rotary kiln, ladle & EAF
MRCPL-80BD	80	2.5	38	21	2.75	550	1520	1600±1.5	Do
MRCPL-70BD	70	2.5	37	22	2.65	550	1500	1600±2.0	Do
MRCPL-70B	70	3.5	36	23	2.60	450	1470	1600±2.5	High Alumina Bricks for ladle lining & EAF
MRCPL-70BL	70	4.5	36	23	2.55	500	1430	1600±3.0	Do
MRCPL-60B	60	3.0	35	23	2.50	400	1430	1500±2.0	High Alumina Bricks for resistance to alkali and slag attack, suitable for cement Rotary Kiln
MRCPL-50B	50	2.5	34	23	2.30	400	1420	1500±2.0	General purpose High Alumina Bricks resistance to Alkali & Slag attack
MRCPL-45B	45	2.5	33	23	2.25	300	1400	1450±1.0	Do

Note: The data related to Standard Size Pressable Bricks. These are subject to varifiaction for bigger Pressable & Hand Moulded Shapes. Size Tolerance : ±1.5% or ±2mm whichever is greater. The above data are not guaranted value. The represent typical average Properties.

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MINING & MINERALS

TECHNICAL DATA
FIRECLAY & HIGH ALUMINA CASTABLE, FIRECLAY AND HIGH ALUMINA MORTAR AIR SETTING MORTAR

CONVENTIONAL CASTABLE (FIRECLAY AND HIGH ALUMINA CASTABLE)

BRAND	Max. Service Temp°C	Al_2O_3 % (Min)	Fe_2O_3 % (Max)	Refractor i-ness °C/Orton (Min)	B.D after casting & dried at 110°C	Grain Size (mm)	Water required for casting %	CCS at 110°C Kg/Cm² (Min)	CCS at Service temp. Kg/cm² (Min)	Thermal conduc-tivity Kcal/m/hr /°C at 500°C
MRCPLCAST-42	1400	42-44	4.0	-	2.0-2.2	0-5	16	200-300	150-200	-
MRCPLCAST-45	1400	45	4.0	1580	2.10	0-5	16	250	200	-
MRCPLCAST-Super	1450	70	5.0	1680	2.50	0-5	16	350	400	-
MRCPLCAST-C	1500	50	1.5	1665	2.10	0-5	14	350	-	-
MRCPLCAST-K	1600	60	1.0	1683	2.20	0-5	12	350	-	-
MRCPLCAST-A	1750	90	0.8	1820	2.80	0-5	12	600	-	-

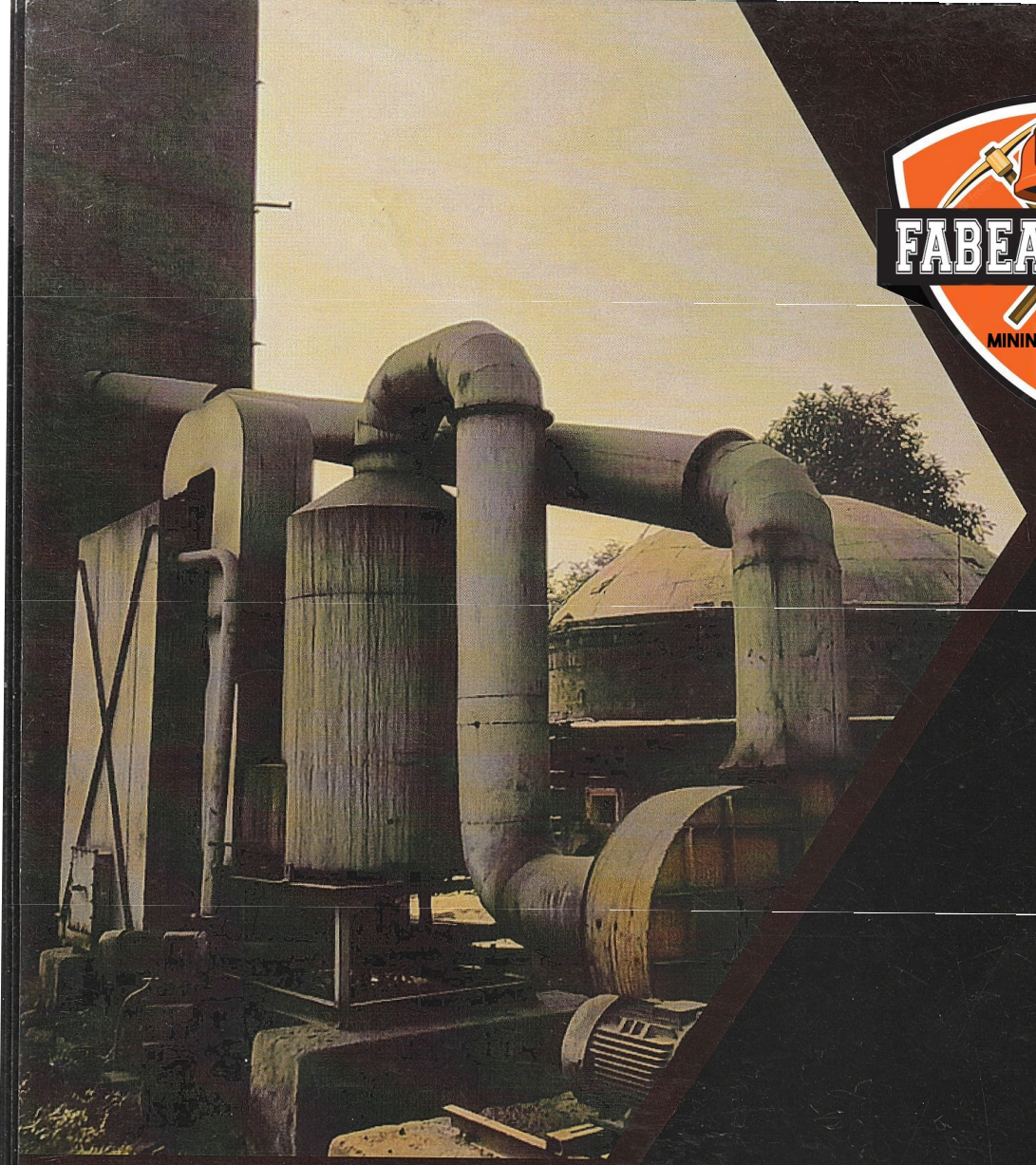
FIRECLAY AND HIGH ALUMINA MORTARS

BRAND	Service Temp °C	Al_2O_3 % (Min)	Fe_2O_3 % (Max)	PCE O.C. (Min.)	Grain Size (mm)	Type of Setting	Remarks
MRCPL-30M	1300	30.0	2.0	29	0-1	Ceramic	Medium Heat Duty Mortar
MRCPL-40M	1400	36-38	2.0	31-32	0-1	Ceramic	High Heat Duty Mortar
MRCPL-45M	1450	42-45	2.0	32-33	0-0.5	Ceramic	Super Heat Duty Mortar
MRCPL-Silli-M	1450	50-52	1.5	34-35	0-0.5	Ceramic	Sillimanite Mortar
MRCPL-Silli-M (Spl.)	1500	54-56	1.5	35-36	0-0.5	Ceramic	Spl. Sillimanite Mortar
MRCPL-50M	1550	50	2.5	33-34	0-0.5	Ceramic	50% High Alumina Mortar
MRCPL-60M	1600	60	2.5	34-35	0-0.5	Ceramic	60% High Alumina Mortar
MRCPL-70M	1650	70	3.0	35-36	0-0.5	Ceramic	70% High Alumina Mortar

AIR SETTING MORTAR

BRAND	Service Temp °C	Al_2O_3 % (Min)	Fe_2O_3 % (Max)	PCE O.C. (Min.)	Grain Size (mm)	Type of Setting	Remarks
MRCPL-SET-ASC	1500	42	1.5	32-33	0-0.5	Air	Super Heat Air Setting Mortar
MRCPL-Accoset-50	1550	50	2.5	32-33	0-0.5	Air	Spl. Super Heat Air Setting Mortar
MRCPL-SET- Silli	1650	52	1.5	34-35	0-0.5	Air	Sillimanite Mortar
MRCPL-SET-60	1600	60	2.5	35-36	0-0.5	Air	High Alumina Air Setting Mortar
MRCPL-SET-70	1650	70	3.0	36-37	0-0.5	Air	High Alumina Air Setting Mortar

Note: The above data are not guaranted value. They represent typical average Properties



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