



SATYAM
REFRACTORY

STRONGER | SAFER | SUPERIOR



HIGH PERFORMANCE REFRACTORY SOLUTIONS

FOR STEEL, CEMENT &
FOUNDRY INDUSTRIES



HIGH
QUALITY



HIGH
TEMPERATURE
RESISTANCE



EXCELLENT
DURABILITY



COST
EFFECTIVE



CUSTOMER
FOCUSED

Building
Strength.
Delivering
Performance.

SATYAM REFRACTORY

Your Trusted Partner in Refractory Solutions



SHAPED
REFRACTORIES



MONOLITHIC
REFRACTORIES



INSTALLATION
SUPPORT



TECHNICAL
EXPERTISE



ABOUT US

Satyam Refractory is a trusted manufacturer and supplier of **high quality refractory materials** for critical high-temperature applications.

Established with a commitment to excellence, we deliver reliable, durable and cost-effective refractory solutions that enhance performance and operational efficiency.

With advanced manufacturing facilities, skilled professionals and strict quality control, we ensure products that meet global standards and customer expectations.



VISION & MISSION



VISION

To be a global leader in refractory solutions by providing innovative, high performance products and exceptional service that create lasting value for our customers and partners.



MISSION

To manufacture and supply superior quality refractory products through continuous innovation, advanced technology and a customer centric approach while maintaining the highest standards of safety, quality and sustainability.

CERTIFIED FOR EXCELLENCE



ISO 9001:2015
Quality Management
System



CE Certified
European Quality
Standard



WHY CHOOSE US?



PREMIUM QUALITY

Manufactured using high grade raw materials and advanced technology for consistent quality.



TECHNICAL EXPERTISE

Experienced team with deep industry knowledge to deliver the right solution for every application.



TIMELY DELIVERY

Strong production capacity and efficient logistics ensure on-time delivery every time.



COMPETITIVE PRICING

Optimal solutions with the best balance of performance and value.



CUSTOMER FOCUS

Building long term relationships through trust, reliability and dedicated support.



STATE-OF-THE-ART MANUFACTURING FACILITY

Equipped with modern machinery, advanced processes and stringent quality control to deliver world-class refractory products.



20,000+

SQ. MTR.
MANUFACTURING AREA



50+

SKILLED
PROFESSIONALS



10,000+

MT ANNUAL
PRODUCTION CAPACITY



100%

QUALITY
ASSURANCE



GLOBAL
PRESENCE

SERVING CUSTOMERS
WORLDWIDE

OUR PRODUCT PORTFOLIO

We offer a wide range of high quality refractory products manufactured with superior raw materials and advanced technology to withstand extreme temperature and harsh conditions.

01 HIGH ALUMINA BRICKS



Manufactured using high grade bauxite for excellent thermal stability, high strength and resistance to slag attack.

Al ₂ O ₃ %	Typical Application
48 – 50%	General purpose linings
55 – 60%	Blast furnace, EAF, BOF
65 – 70%	Ladle, Tundish, Kiln
75 – 80%	Severe service, high wear areas

- High Strength
- High Refractoriness
- Excellent Slag Resistance
- Long Service Life

03 INSULATION BRICKS



Lightweight bricks with low thermal conductivity for energy saving and back-up insulation.

Type	Max. Service Temp.
IFB 23	1260°C
IFB 26	1430°C
IFB 28	1540°C
IFB 30	1650°C

- Light Weight
- Low Thermal Conductivity
- Energy Saving
- Easy to Install

05 REFRACTORY MORTARS



Pre-mixed mortars for brick laying and jointing with excellent bonding and workability.

Type	Max. Service Temp.
Fire Clay Mortar	1300°C
High Alumina Mortar	1600°C
Insulation Mortar	1200°C
Plastic Mortar	1400°C

- Easy to Apply
- Strong Bonding
- Saves Time
- High Temp. Resistance

02 FIRE CLAY BRICKS



Made from selected fire clay, these bricks offer good refractoriness and are cost effective for general applications.

Al ₂ O ₃ %	Typical Application
20 – 25%	General furnaces, kiln
25 – 30%	Boilers, Kilns, Reheating furnaces
30 – 35%	Petrochemical, Glass furnace

- Good Thermal Stability
- High Strength
- Resistant to Thermal Shock
- Cost Effective

04 CASTABLES



High performance castables for various industrial applications with excellent flowability and bonding.

Type	Max. Service Temp.
Low Cement Castable	1500°C
Medium Cement Castable	1450°C
High Alumina Castable	1600°C
Ultra Low Cement Castable	1650°C

- High Strength
- Excellent Flowability
- High Temperature Resistance
- Low Cement Options

06 RAMMING MASS



Unshaped refractory material for hot repairs and linings with good strength and resistance to erosion.

Type	Max. Service Temp.
Fire Clay Ramming Mass	1300°C
High Alumina Ramming Mass	1600°C
Silica Ramming Mass	1650°C
Plastic Ramming Mass	1450°C

- High Density
- High Strength & Durability
- Erosion Resistant
- Ideal for Hot Repairs

07 SILICON CARBIDE PRODUCTS



Silicon carbide products offer excellent thermal conductivity, wear resistance and high temperature performance.

Product	Features
SiC Crucibles	High thermal conductivity, oxidation resistance, long life
SiC Plates	Excellent wear resistance, used in various industrial applications
SiC Nozzles & Pipes	High strength, corrosion and erosion resistance
SiC Beams & Shelves	Dimensional stability, high load bearing capacity



QUALITY RAW
MATERIALS



ADVANCED
TECHNOLOGY



STRICT QUALITY
CONTROL



CUSTOMER
SATISFACTION



INDUSTRIES WE SERVE

Our high performance refractory solutions are trusted across a wide range of industries for critical applications that demand reliability, durability and efficiency.

BUILT FOR
EXTREME HEAT.
ENGINEERED FOR
EXCELLENCE.



01 STEEL INDUSTRY



Our refractories ensure superior performance in extreme conditions of steel manufacturing processes.

- Ladle Linings
- Tundish Linings
- Converter Linings
- EAF Linings
- Blast Furnace Linings



High thermal stability | Excellent slag resistance | Long service life



02 CEMENT INDUSTRY



Reliable refractory solutions for cement manufacturing equipment to maximize uptime and efficiency.

- Rotary Kiln Linings
- Preheater & Calciner Linings
- Cooler Linings
- Shaft & Chute Linings



Excellent abrasion resistance | High refractoriness | Extended campaign life



03 FOUNDRY INDUSTRY



High quality refractories for melting, holding and casting ferrous & non-ferrous metals.

- Furnace Linings
- Ladle Linings
- Crucibles
- Troughs & Spouts



Thermal shock resistance | Superior strength | Longer life



04 POWER PLANTS



Refractory solutions for boiler, incinerator and other high temperature applications.

- Boiler & Burner Linings
- Ash Handling Systems
- Incinerator Linings
- Air Preheater Linings



High temperature resistance | Corrosion protection | Reliable performance



05 GLASS INDUSTRY



Specialized refractories that withstand high temperatures and ensure product quality.

- Glass Furnace Linings
- Forehearth Linings
- Regenerator Linings
- Working End Linings



High durability | Low thermal expansion | Excellent resistance to corrosion



06 NON-FERROUS INDUSTRY



Advanced refractory solutions for smelting and refining of non-ferrous metals.

- Furnace Linings
- Converter Linings
- Holding Furnace Linings
- Channel & Launder Linings



Chemical resistance | High strength | Improved productivity



RELIABLE PERFORMANCE
Consistent quality for continuous operations.



HIGH TEMPERATURE RESISTANCE
Designed to perform in extreme heat conditions.



LONG SERVICE LIFE
Engineered for durability and extended campaign life.



OPERATIONAL EFFICIENCY
Improves productivity and reduces downtime.



CUSTOMIZED SOLUTIONS
Tailored products for every application requirement.



TECHNICAL SUPPORT
Expert guidance from our experienced team.

MANUFACTURING & QUALITY

At Satyam Refractory, quality is not just a process, it is our commitment. Our advanced manufacturing and stringent quality control ensure products that deliver reliability, safety and long service life.



**QUALITY.
RELIABILITY.
PERFORMANCE.
EVERY TIME.**



QUALITY CONTROL LABORATORY

Our modern laboratory is equipped with advanced testing instruments to ensure consistent quality and compliance with international standards.



RAW MATERIAL TESTING

Testing of raw materials for physical & chemical properties to ensure highest quality.



IN-PROCESS QUALITY MONITORING

Continuous monitoring during production to maintain consistency and performance.



FINISHED PRODUCT TESTING

Comprehensive testing of finished products as per international standards.



HIGH TEMPERATURE TESTING

Testing for refractoriness, thermal shock, and other high temperature properties.



CHEMICAL & PHYSICAL ANALYSIS

Advanced analysis for accurate chemical composition and physical properties.



ACCURATE RESULTS RELIABLE QUALITY

Precise results to ensure reliable performance in critical applications.

OUR QUALITY ASSURANCE



ISO 9001:2015
Certified Quality
Management
System



Advanced testing
equipment and skilled
laboratory team



Strict adherence to
global standards and
customer specifications



Continuous improvement
and innovation in our
processes



Complete traceability
from raw material to
finished product



Our products are manufactured using premium quality raw materials and are tested to meet international standards for critical high temperature applications.

HIGH ALUMINA BRICKS

Grade	Al ₂ O ₃ (%)	Bulk Density (g/cc)	Cold Crushing Strength (MPa)	Permanent Linear Change (%) @1600°C	Max. Service Temperature (°C)
HA-40	40	2.30	40	-0.2	1400
HA-50	50	2.40	50	-0.2	1450
HA-60	60	2.50	60	-0.3	1550
HA-70	70	2.60	70	-0.3	1650
HA-80	80	2.70	80	-0.4	1750
HA-90	90	2.85	90	-0.4	1800

FIRE CLAY BRICKS

Al ₂ O ₃ (%)	Bulk Density (g/cc)	CCS (MPa)	Max. Temp. (°C)
20 – 25	2.00	30	1300
25 – 30	2.05	35	1350
30 – 35	2.10	40	1400

CASTABLES

Type	Al ₂ O ₃ (%)	Bulk Density (g/cc)	Max. Temp. (°C)
Low Cement	45 – 55	2.30	1500
Medium Cement	55 – 70	2.40	1450
High Alumina	70 – 80	2.50	1600
Ultra Low Cement	75 – 85	2.55	1650

REFRACTORY MORTARS

Type	Al ₂ O ₃ (%)	Max. Temp. (°C)
Fire Clay Mortar	40 – 50	1300
High Alumina Mortar	60 – 70	1600
Insulation Mortar	50 – 60	1200
Plastic Mortar	40 – 50	1400

INSULATION BRICKS

Type	Bulk Density (g/cc)	Max. Temp. (°C)
IFB 23	0.60	1260
IFB 26	0.80	1430
IFB 28	1.00	1540
IFB 30	1.20	1650

RAMMING MASS

Type	Al ₂ O ₃ (%)	Bulk Density (g/cc)	Max. Temp. (°C)
Fire Clay	45 – 55	2.20	1300
High Alumina	60 – 75	2.40	1600
Silica	> 90	2.20	1650
Plastic	40 – 50	2.10	1450

SILICON CARBIDE PRODUCTS

Product	Purity (%)	Bulk Density (g/cc)	Max. Temp. (°C)
SiC Crucibles	≥ 98	3.10	1650
SiC Plates	≥ 98	3.10	1650
SiC Nozzles & Pipes	≥ 98	3.10	1650
SiC Beams & Shelves	≥ 98	3.10	1650

PRODUCT ADVANTAGES



HIGH REFRACTORINESS
Excellent performance at extreme temperature.



THERMAL SHOCK RESISTANCE
Withstands rapid temperature changes without cracking.



WEAR & EROSION RESISTANCE
Longer service life in harsh operating conditions.



COST EFFECTIVE
Best performance with optimal life cycle cost.



CUSTOMIZED SOLUTIONS
Sizes and compositions as per customer requirements.



TECHNICAL SUPPORT
Expert guidance for selection, installation & maintenance.

OUR COMMITMENT



CUSTOM SIZES
AVAILABLE



OEM
MANUFACTURING



FAST & RELIABLE
DELIVERY



TECHNICAL
SUPPORT



MEETS INTERNATIONAL
STANDARDS



HIGH ALUMINA BRICKS



CASTABLES & MORTARS



SILICON CARBIDE PRODUCTS



TRUSTED IN CRITICAL APPLICATIONS

CONSISTENT QUALITY | SUPERIOR PERFORMANCE | LONGER SERVICE LIFE

WHY PARTNER WITH SATYAM REFRACTORY?



PREMIUM QUALITY PRODUCTS

Manufactured using high grade raw materials and advanced technology to deliver consistent and reliable performance.



EXPERIENCED TEAM

Skilled professionals with deep industry knowledge committed to delivering the right solutions for every application.



ADVANCED MANUFACTURING

State-of-the-art facilities and modern processes ensure high production capacity with strict quality control at every stage.



TIMELY DELIVERY

Strong logistics network and efficient planning ensure on-time delivery, every time.



CUSTOMER FOCUS

We build long term relationships through trust, transparent communication and dedicated customer support.



GLOBAL PRESENCE

Serving customers across India and worldwide with reliable refractory solutions for diverse industries.



BUILDING STRONGER FUTURES, TOGETHER.

At Satyam Refractory, we are dedicated to delivering high performance refractory solutions that enhance operational efficiency, ensure safety and create long term value for our customers.

We thank all our clients, partners and well-wishers for their continued trust and support.

Together, let's build a stronger, safer and more sustainable tomorrow.



CERTIFIED FOR EXCELLENCE



ISO 9001:2015
Quality Management
System



CE Certified
European Quality
Standard



Zero Liquid Discharge
Environment
Conscious Manufacturing



RoHS Compliant
Environment Friendly
Products



Proudly
Made in India

GET IN TOUCH

For inquiries, orders or technical support, please contact us. Our team is always ready to assist you.



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SCAN TO VISIT
OUR WEBSITE

GLOBAL PRESENCE & PROJECT SUPPORT

Delivering high performance refractory solutions worldwide with trust, reliability and commitment.

INDUSTRIES SERVED



STEEL INDUSTRY

Ladle, Tundish, EAF, Converter, BF Linings



CEMENT INDUSTRY

Rotary Kiln, Preheater, Cooler, Calciner Linings



FOUNDRY INDUSTRY

Furnace, Ladle, Crucibles, Troughs & Spouts



GLASS INDUSTRY

Glass Furnace, Forehearth, Regenerator, Annealing



POWER INDUSTRY

Boiler, Incinerator, RPH, APH, CFBC Linings



NON-FERROUS INDUSTRY

Copper, Aluminum, Zinc, Lead & Other Smelters



PETROCHEMICAL INDUSTRY

Reactors, Reformers, Crackers, Heaters



CERAMIC INDUSTRY

Tunnel Kiln, Roller Hearth, Shuttle Kiln Linings

OUR GLOBAL PRESENCE



EXPORTING QUALITY. DELIVERING TRUST.

Proudly serving customers across the globe with international standards and on-time delivery.



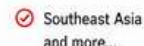
India



Oman



Bangladesh



Southeast Asia and more...



UAE



Qatar



Nepal



Saudi Arabia



Africa



Sri Lanka

OUR PROCESS



INQUIRY

Share your requirement



TECHNICAL DISCUSSION

Understanding your application



SAMPLE APPROVAL

Testing & sample validation



PRODUCTION

Advanced manufacturing with strict QC



QUALITY INSPECTION

100% quality checked



PACKING

Safe & secure export packing



DISPATCH

On-time delivery worldwide



AFTER-SALES SUPPORT

Continuous support you can rely on

WHY GLOBAL CUSTOMERS CHOOSE US



ISO 9001:2015 CERTIFIED

International quality management system



CE CERTIFIED

European quality standard compliant



OEM MANUFACTURING

Customized solutions as per requirement



FAST & ON-TIME DELIVERY

Strong logistics network for timely dispatch



TECHNICAL SUPPORT

Expert team for every project



EXPORT GRADE PACKAGING

Secure packing for safe global delivery

GET IN TOUCH

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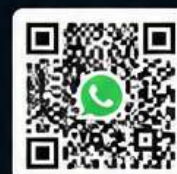
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ENGINEERING REFRACTORY SOLUTIONS FOR A STRONGER TOMORROW.

Delivering Quality. Building Long-Term Partnerships.