



West Bengal | Jharkhand | Rajasthan



FORGING EXCELLENCE
WITH PREMIUM
REFRACTORY SOLUTIONS

ABOUT US

Gajanan Group stands as a beacon of excellence in the realm of refractory manufacturing in India, boasting a rich legacy spanning four decades. Upholding an unwavering commitment to quality, innovation, and customer satisfaction, we proudly serve as trusted partners in steel and iron production sectors.

We boast a diverse portfolio of refractory products. With a consolidated production capacity exceeding 200,000 MT per annum, we offer unparalleled Technical Services, including Refractories Engineering and Technical Support, ensuring optimal performance and efficiency for our clients.



WHY US

- High Quality Raw Materials
- Consistent Quality Assurance
- Dedicated Research & Development Team
- Comprehensive Pre & Post Order Technical Support
- State of the Art Manufacturing Facility
- Cutting-edge Laboratory Facilities
- Advanced Automation for Custom Grading
- Strategic Location of Manufacturing Units
- Leadership in Regional Market



SILICA RAMMING MASS

Silica ramming mass is a crucial refractory lining material used in induction furnaces, offering a range of benefits. Its high refractoriness enables it to withstand and maintain operating temperatures, while its thermal stability makes it ideal for furnace applications. The material exhibits high corrosion resistance to steel and slag, ensuring long-term durability. Additionally, its high electrical receptivity helps prevent short-circuiting. Silica ramming mass is suitable for use up to 1750°C and maintains consistent quality with purity levels of 98%-99%.

Packaging :
50 Kg HDPE Bags with inner liner



Nozzle Filling Compound needed for steel transfer ladle with slide gate system. As nozzle compound possesses selected granulomere and high refractoriness, it does not sinter with when in contact with molten steel around 1600°C temperature with high Ferro static head when kept in ladle nozzle-well cavity. Thus, it results in to free flowing when slide gate is opened and it comes out freely or with minor oxygen lancing establishing a very smooth stream flow from ladle.

Packaging : 50 Kg HDPE Bags with inner liner

Nozzle Filling Compound (NFC)



90K Mortar



Morter 90K is a chemical/ceramic bonded special mortar which is used at high temperatures, in excess of 1700°C. It is used for setting concast nozzle, ladle nozzle and for use in slide gate plate area.

Packaging : 50 Kg HDPE Bags with inner liner

The neutral effect of Gajanan Flux in the melting process ensures that there are no alterations to the chemical compositions. This flux offers a range of benefits, including an increased furnace yield of 1.5 to 2.0% in scrap-based plants and up to 4% in sponge-based plants. It also reduces power consumption, eliminates the need for carbon supplements like met coke, and removes the need for strong de-oxidizers.

Packaging : 50 Kg HDPE Bags with inner liner

Metallurgical Flux



Product Specification

Silica Ramming Mass :

Brand Name	Size (mm)	Grain Ratio	SiO ₂ (+/-0.5)	Fe ₂ O ₃	Sintering Temp(°C)	Application Temp(°C)
G-SIL 100	0-5	52-48	98	0.05	1200	1725
G-SIL 200 Boric Premix	0-5	52-48	98	0.05	1200	1725
G-SIL 300 Boron Premix	0-5	52-48	98	0.05	700	1750
G-SIL 500 Rock Bottom (Boric)	0-5.5	55-45	98	0.05	1200	1750
G-SIL 600 Rock Bottom (Boron)	0-5.5	55-45	98	0.05	1200	1750

Nozzle Filling Compound (NFC) :

Brand Name	Type	Cr ₂ O ₃ (%)	SiO ₂ (%)	C (%)	Particle Size
G-FIL X	Chrome Base	10-25	70-84	1	0-1.5
G-FIL	Quartz Base		94		0-1.5

90K Mortar :

Brand Name	Al ₂ O ₃ (%)	Fe ₂ O ₃ (Max%)	Cr ₂ O ₃ (%)	Particle Size	Service Temp (°C)
G-MOR 90K	88-90	0.03	3-4	0-0.5	1800

Metallurgical Flux :

Brand Name	Aluminium (Min %)	Silicon & Mn (Max %)	Al ₂ O ₃ (Min%)	SiO ₂ (Max%)
G-MET FLUX	25	10	50	10

Integrated Supply Management through all medium of Transport

Our Integrated supply chain represents a strategic asset that enables us to deliver value to our customers, drive operational excellence, and maintain a competitive edge in the marketplace. By seamlessly integrating all aspects of our supply chain operations, we are able to meet the evolving needs of our customers while maximizing

- Enhanced Supply Chain Resilience
- Optimized Cost Efficiency
- Global Reach
- Minimized Transit Times
- Improved Customer Satisfaction
- End-to-End Visibility
- Optimized Inventory Management



OUR CLIENT



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