





SAINT-GOBAIN

Worldwide leader in light and sustainable construction, Saint-Gobain designs, manufactures and distributes materials and services for the construction and industrial markets in 75 countries. The Group is one of the 100 largest industrial companies in the world and has a leading position in all its strategic business areas, guided by its purpose, MAKING THE WORLD A BETTER HOME.

SAINT-GOBAIN PERFORMANCE CERAMICS & REFRACTORIES

Saint Gobain Performance Ceramics and Refractories is part of Saint-Gobain's Ceramic Materials division, which offers Engineered Ceramics & Refractories solutions for industrial application, with extreme operating conditions, high temperature and wear.

SAINT-GOBAIN OFFER FOR INDUCTION FURNACE STEEL PRODUCTION

Saint-Gobain offers a range of customized refractory lining solutions (Neutral Ramming Masses, Spout mixes, Patching Masses, Coil Grouts, specialized services) for each segment of induction furnace based secondary steel making under its "HeatKing" range of products and services.



SAINT-GOBAIN STEEL CLUB

At Saint-Gobain Performance Ceramics and Refractories, we value our customers and their loyalty. Our most valued customers have been specially selected to be part of our Saint-Gobain Steel Club - an exceptional loyalty program of a community of experts aiming at reaching the highest standards of quality performance and sustainability in the industry.

OUR POWER PACKAGE

Our Neutral Ramming Mass (NRM) solutions in foundries...



...reduce CO₂ emissions by 100K TCo₂ every year





...are Crystalline Silica free, and thus contributing to a much safer environment for your operating teams.

MAKING THE WORLD A BETTER HOME

OUR COMMITMENT

Being carbon free by 2050

OUR AMBITION

To provide solutions to our customers that contribute to de-carbonization and reduce environmental footprint.

SUSTAINABILITY AT THE HEART OF OUR BUSINESS STRATEGY

Sustainability is a key tenet of modern environmental, social, and corporate governance (ESG). At Saint-Gobain Performance Ceramics and Refractories, our business model directly contributes to critical ESG outcomes with a dual approach to sustainable development goals: Minimizing our environmental footprint while maximizing our virtuous impact across the entire value chain.



PIONEERING CERAMIC SOLUTIONS FOR EXTREME INDUSTRIAL APPLICATIONS AND A GREENER WORLD.



Categorizes are awarded based on volume and frequency of sales.	BRONZE	SILVER	GOLD	PLATINUM
	★	★★	★★★	★★★★
PROFESSIONAL TRAINING Basic Training (on site / online)	FREE	FREE	FREE	FREE
EXPERT TRAINING Advanced Training (Certification Program @ Saint Gobain Bangalore Plant)	10%	30%	40%	50%
	REBATE	REBATE	REBATE	REBATE
PROFESSIONAL INSTALLATION SUPPORT Basic Installation Support	FREE	FREE	FREE	FREE
EXPERT INSTALLATION SUPPORT Advanced Installation Techniques & Tools	10%	30%	40%	50%
	REBATE	REBATE	REBATE	REBATE
PROFESSIONAL TECHNICAL SUPPORT Trouble Shooting	FREE	FREE	FREE	FREE
Comprehensive Technical Process Audit (Once a year)	FREE	FREE	FREE	FREE
Comprehensive Technical Process Audit (Once a year) Process Optimization based on "Big Data Analysis" Techniques Process Simulation & Optimization at Pilot Set-Up in Bangalore	10%	30%	40%	50%
	REBATE	REBATE	REBATE	REBATE
Process Simulation & Optimization at Pilot Set-Up in Bangalore	10%	30%	40%	50%
	REBATE	REBATE	REBATE	REBATE
SUSTAINABILITY RECYCLING Sustainable Management of used Refractory Linings	FREE	FREE	FREE	FREE
SUSTAINABILITY AUDIT CO ₂ MAPPING Audit to Map Carbon Footprint with recommendations to reduce the same	10%	30%	40%	50%
	REBATE	REBATE	REBATE	REBATE

BENEFIT PROGRAM DETAILS

TRAINING

PROFESSIONAL

on site / online

Refractory Lining Types (Acidic / Basic / Neutral)

- Definitions
- Properties & Characteristics

Advantages / Disadvantages of Each Refractory Lining Type

- Environment, Health & Safety
- Porformanco
- Cost

Installation & Sintering Techniques with Neutral Lining (Basic Module)

- Standard Operating Procedures for Installation & Sintering
- Assessment of the "Quality" of Installation & Sintering

EXPERT

Certification Program

@ Saint Gobain - Bangalore

Re-cap of Basic Training

- Refractory Lining Types
- Advantages / Disadvantages of Each Refractory Lining Type
- Installation & Sintering Techniques with Neutral Lining (Basic Module)

Induction Furnaces

- Types of Induction Furnaces
- Assessment of Induction Furnace Health (Condition)

Failure Modes & Root Causes in Each Refractory Lining Type

- Erosion Patterns
- Failures on account of Corrosion
- Failures on account of Thermal Shock

Installation & Sintering Techniques with Neutral Lining (Advanced Module)

- Standard Operating Procedures for Installation & Sintering
- Assessment of the "Quality" of Installation & Sintering
- Design of "Formers"
- New Sintering Techniques

INSTALLATION

PROFESSIONAL

Former Design

- Dimensions recommendations in line with OEM guideline
- Fabrication techniques

Initial Lining

- Supervision Support for development Trials
- Trial Completion report

Patching

- Supervision Support for development Trials
- Trial Completion report

Sintering

- Supervision Support for development Trial
- Trial Completion report

EXPERT

Charge Mix Analysis

- Impact of charge mix on overall Furnace Performance
- Optimum use of each raw material

Access to Advanced Application Toolkit

- Use of special tools during application
- Reports of used tools

Supervision and monitoring

- On demand supervision by Saint-Gobain Service Team
- Involvement of Saint-Gobain Engineering Team on need basis

Advanced Sintering Techniques (Solid Sintering)

- Share prerequisites of Solid Sintering
- Supervision till first heat tapping







BENEFIT PROGRAM DETAILS

TECHNICAL SUPPORT

PROFESSIONAL

Troubleshooting

- On site Support from Service engineer
- On call support from Application engineer

Non-Conformance Investigation, Analysis & Resolution

- Comprehensive report from Saint-Gobain team
- Suggestions on corrective & preventive measures

EXPERT 1

Level-1

Comprehensive Process Audit

- Audit report submission on regular interval
- Performance improvement suggestions

Furnace Health Check and suggest modification

- Routine furnace health check
- Suggestion to minimize breakdowns

Advanced Analysis by Saint-Gobain Research India

- Solving specific technical problems
- Joint development project of customer

EXPERT 2

Level-2

Process Optimization through Data Analysis

- Data visualization of operating parameters and other deeper insights
- Offer solution based on insights driven from data inputs

Process Simulation & Optimization using Pilot Induction Furnace

- New development work for customers
- Support of Saint-Gobain application expertise









BENEFIT PROGRAM DETAILS

SUSTAINABILITY

Management / Recycling of "used refractory linings"

- Optimize the recycling of used refractories for a better circular economy
- Audit & support to minimize and avoid refractory waste

Mapping of carbon footprint & reduction techniques

• Suggestions to reduce carbon emission













YOUR MAIN CONTACT





SCAN TO CONNECT

and discover more about our HeatKing™ solutions



SAINT-GOBAIN GRINDWELL NORTON LTD.

Village: GET MUVALA, Taluka: Halol, R.S No: 54/1 Paiki, 55/2,57,56, Dist. Panchmahal - 389350 + 91 2676 612085

SAINT-GOBAIN GRINDWELL NORTON LTD.

Devanahalli Road via Old Madras Road Bangalore - 560049 +91 80 46978526

Customer Care: 9611553726(CSD-BLR)

Online Enquiry: heatking.solutions@saint-gobain.com

For more information: www.ceramicsrefractories.saint-gobain.com SteelClubIndia@saint-gobain.com

Follow us on: in www.linkedin.com/company/saint-gobain-performance-ceramics-refractories

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PERFORMANCE CERAMICS & REFRACTORIES

