



SILICON CARBIDE CRUCIBLES

CLAY GRAPHITE ISOSTATIC CRUCIBLES

CONTINUOUS CASTING REFRACTORIES

SLIDE GATE REFRACTORIES

MONOLITHICS



Zircar Refractories Ltd.

Formerly Zircar Crucibles Private Limited

PRODUCT WITH A CUTTING EDGE

Founder



H. L. Rai
Founder Managing Director

Zircar is privileged to have highly talented, highly qualified and widely experienced leadership in Mr. H. L. Rai, who is the Founder Managing Director and visionary for the company's establishment and growth.

Mr. Rai has been academically brilliant and passed his M. Tech in Ceramic Engineering with **GOLD-MEDAL**. He has very in-depth knowledge of Crucible Technology and he himself designs and develops new concepts on continuous basis.

Mr. Rai has also been contributing his time as Examiner for University examinations. He has presented many Technical papers at various technical forums. Mr. Rai is trained in a German Crucible Company and it has added value to his expertise. Zircar really feels proud to have Mr. Rai as its leader.

Mr. Rai has very rich experience of working for more than 4 decades in many companies at top management level. Being most experienced person in Indian Crucible manufacturing sector, he has traveled to many countries on business trips and has developed very good personal contacts at various level with overseas buyers and sellers.

Zircar is on continuous growth path since its inception in 1996. Zircar has created very respectable goodwill in Indian and International market. Zircar's performance has been exemplary and does not have parallel in Indian Crucible market. Zircar, under the leadership of Mr. Rai, exports its Crucibles to over 30 countries.

Team of Zircar



About us

Zircar Refractories Ltd.

Zircar Refractories Ltd. (Formerly, Zircar Crucibles Pvt. Ltd.), an ISO certified company, has been a premier manufacturer of Silicon Carbide Crucibles, Clay -Graphite Crucibles & its accessories, Continuous Casting Refractories, Slide Gate Refractories & Monolithics etc in India since 1999. It enjoys a broader customer base in the ferrous and nonferrous industries and has a wide and well established distributor/dealer's network across the globe.

These wide array of products find extensive application in handling of molten metal, namely, Copper, Brass, Aluminium, Gold, Silver, Cast Iron, Steel and Zinc, not to undermine the criticalities that each of the application brings along with it.

The Company plays a dominant role in the domestic market to satisfy the demand of these customer groups. Besides this, the company's products are reaching the customers in more than 30 countries.

After the success achieved through sheer determination, hardwork and a quality oriented perspective, Zircar is all set for a new venture in the form of Continuous Casting Refractories, Slide Gate Refractories and Monolithics.

In perspective, to establish a well equipped and state-of-the-art facilities, at Mehsana, Gujarat, India, the Company is leaving no stones unturned in procurement of the best infrastructure, machineries and equipments.

Zircar is having latest technical know-how of manufacturing, application and marketing for all products.



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The Plant



Ultramodern administrative block was added seven years back for senior executives of the company. This office is equipped with latest technology IT infrastructure consisting high end servers, work stations, fully secured virtual private network (VPN) between plant, corporate office and branches. Back office operations are executed with the help of integrated ERP system with automated backup of data and adequate power backup for server system.



Since quality depends to a large extent on chemistry, Zircar has added fully automated Batch Weighing and Mixing set up to take care of accuracy, consistency and confidentiality. High intensity German Eirich Mixer is integrated to this system.

The Plant

Zircar is fully equipped to manufacture the following products of international standard.

- Silicon Carbide Crucibles
- Clay-Graphite Isostatic Crucibles
- Clay-Graphite Stopper Heads
- Clay- Graphite Stoppers
- Clay- Graphite Ingate Sleeves
- Accessories
 - Stand
 - Muffle Rings
 - Covers
- Pyro- Pocket Crucibles
- Clay-Graphite Converter Segment
- Clay Graphite Liner
- Continuous Casting Refractories
- Slide Gate Refractories
- Monolithics

Design and selection of machineries have been made in such a way that they meet demanding parameters of process engineering.

Zircar is having a modern plant to design and manufacture any type of products for any kind of application. We have our own fully equipped toolroom where all kinds of toolings are manufactured in-house to ascertain the geometrical and dimensional accuracies.

Plant is equipped with automation and latest handling systems.

Packing of all products are done as per requirement of the client in corrugated/wooden boxes. **Foam packing** is used in all export consignments and in specific cases for Indian market.

Plant is equipped with destructive and non-destructive testing mechanisms to monitor and control the quality of crucibles.



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Quality

We, at Zircar, deeply believe that each application / customer has its own & specific need. This calls for innovation in design, understanding the specific need of each client, capability to translate all this into reality through Process System Engineering.

Since inception, these aspects are our way of life at Zircar. No aspect of a plant is too minor to be ignored. System controlled production process ensures the quality and desired perfections in the product. Raw Materials and production processes are designed to achieve the best of above and fine tuned specifically for specific applications.

Best quality Raw materials like Silicon Carbide, Natural Flaky Graphite, Ferro Silicon, Silicon Metal, Resin, Coaltar Pitch, Clay, Borax, Boric Acid, High Temperature Frits, BFA, WFA, Mullite, Boron Carbide, Tabular Alumina, DBM, etc. are from selected local sources as well as imported to achieve high standard set by the company.

Special products can be made to meet any demands of any kind. Our strength lies in quality upgradation through Customer's participation.

Standard & Precision

Zircar is an ISO-9001:2015 certified company and thus it has a profound-precise system and professional methodologies working behind its every quality product.

Testing, Analysis & Development

Zircar has established a full fledged laboratory for Testing, Analysis and Development. Our Commitment towards this is reflected in establishing our Laboratory before commissioning of our Plant.

Assurance & Quality

Assurance of good quality starts from selection of Raw materials, Consumables and other inputs. The work procedures are checked, inspected and followed up closely to ensure an exact Quality Product.



Our Global Presence



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