



## REFRACTORY PRODUCTS

### A LEADING PROVIDER OF REFRACTORY PRODUCTS

DGC Refractories provides a diverse range of refractory products with a commitment to delivering innovative and environmentally sustainable solutions to our customers.

Through dedicated research and development efforts, we not only offer top-tier products but also provide technical support services to our esteemed customers. DGC's primary goal is to assist industrial clients in optimizing maintenance costs and enhancing plant performance by delivering innovative solutions and leveraging our market-leading technologies to extend the service life of their operational assets.



# ABOUT US

At the core of DGC's mission is a customer-centric approach, exemplified by our adoption of the "One Personalized Solution" across the entire organization.

This strategy is reinforced by our portfolio of high-quality niche services, exceptional technical expertise, reliable delivery, and outstanding customer service. With a focus on meeting the unique needs of each customer, DGC strives to establish itself as a trusted partner in the refractory industry.



## QUALITY CONTROL & QUALITY ASSURANCE

DGC guarantees the manufacturing of refractory products that meet stringent quality standards and adhere to environmentally friendly practices.

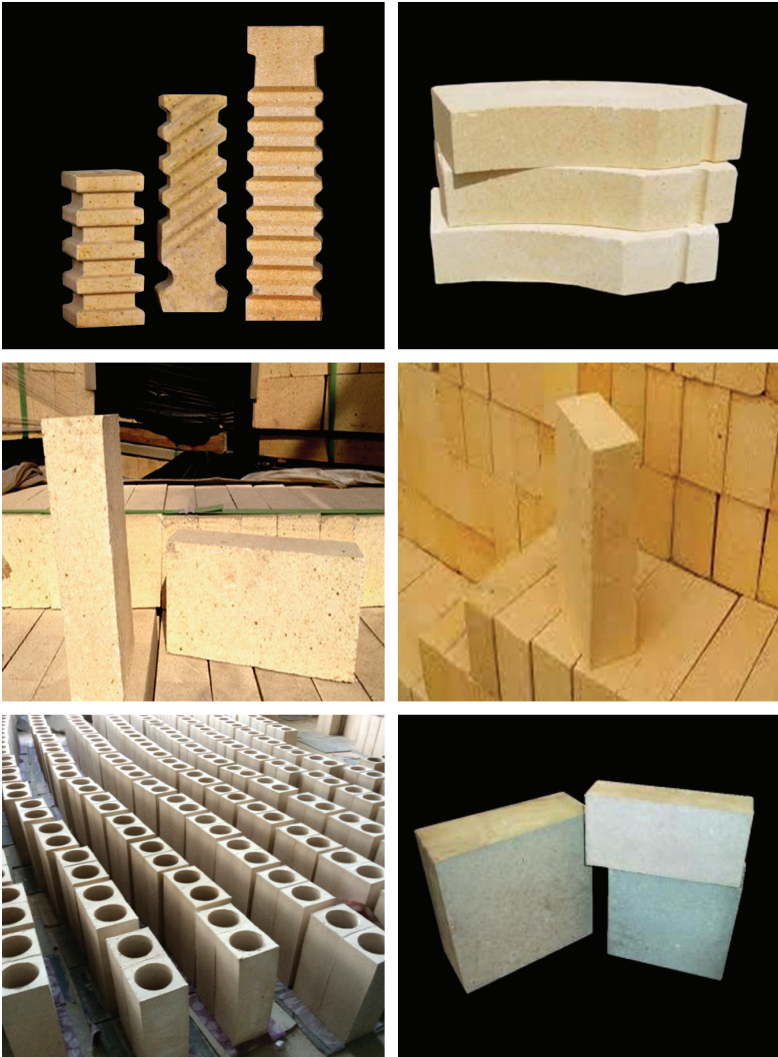
Quality checks are conducted both within the production process for Quality Control and on the products as part of the Quality Assurance phase of production equipment. Rigorous testing of chemical content and physical properties is carried out throughout the entire production process and prior to delivery, ensuring that the products consistently meet the highest quality standards.

## IRON & STEEL

Drawing upon our expertise in the iron and steel industries, DGC offers a comprehensive range of refractory products tailored for applications such as Blast Furnace, Hot Blast Stoves, Ladle, Converter, Coke oven, VOD, AOD, LF, EAF, SAF, Heat Treatment Furnace, and more.

Specifically catering to the needs of our customers in the iron and steel sector, we concentrate our efforts on addressing the following key concerns:





## SHAPED REFRACTORY

Magnesia Bricks, Magnesia-Carbon Bricks, Silica Bricks, Mullite Bricks, Alumina Carbon Bricks, Andalusite Bricks, Si<sub>3</sub>N<sub>4</sub> Bonded SiC Bricks, Sialon Bonded Corundum Bricks, Mullite Cordierite Bricks, Alumina Zirconia Bricks, Al<sub>2</sub>O<sub>3</sub>-SiC Bricks, Alumina Spinel Carbon bricks, Aluminium-silicon carbide-carbon Bricks.

## MONOLITHIC REFRACTORY

Stemming, Castable, Repairing Materials, Magnesia Coating Mixes, Magnesia Dry-vibration Mixes, Magnesia-calcium Dry Vibration Mixes.

## GRAPHITE ELECTRODES

The graphite electrodes include: regular power, high power, ultra-high power, and square electrode. The range of diameters covers from 200mm to 750mm.

## FUNCTIONAL REFRACTORY

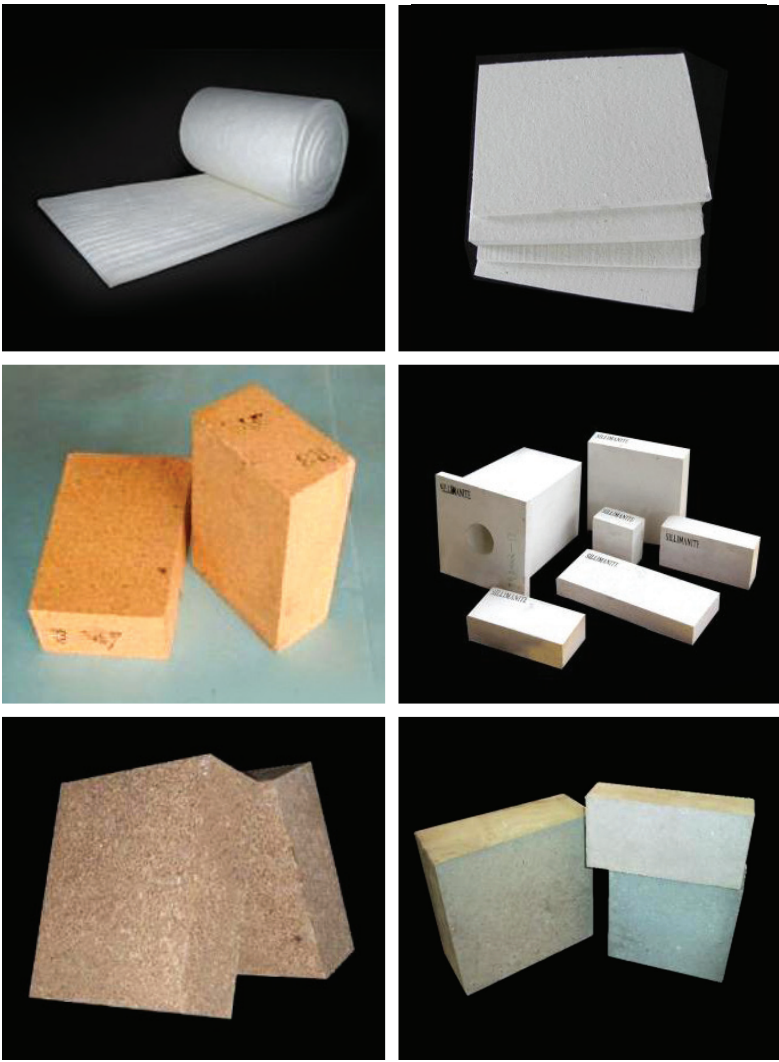
Slide gate, Mechanism, Ladle upper & lower nozzle, well block, Permeable bricks, long nozzle, Submerged Nozzle, Stopper.



# FOUNDRY

DGC produces and installs an extensive array of monolithic refractories specifically crafted for applications in Electric Arc Furnaces (EAF), Induction Furnaces, Ladles, Holding Furnaces, and more.

These refractories are suitable for use in both ferrous and non-ferrous applications, spanning various industries such as iron, steel, aluminium, copper, and others.



- Full range of castable materials and ramming material
- Ceramic Fiber Blanket, Board, Paper, Module, etc
- Capping and Sprout Materials
- Mica Based Slip Plane Materials
- Non-Wetting Zircon Based Wash coats and Pitching Materials
- Coil Mudding Cements
- Insulation Bricks and Fire Bricks



# CEMENT

DGC offers a complete spectrum of refractory products tailored for the Cement industry, including solutions for Cement Rotary Kilns, Preheaters, Kiln Hoods, Calciners, Tertiary Air Ducts, Coolers, and more.

## BASIC REFRACTORIES

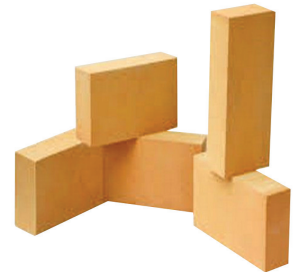
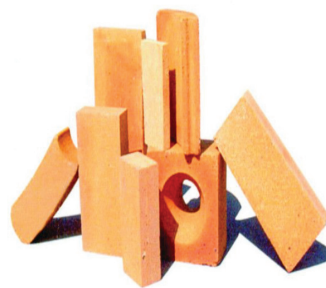
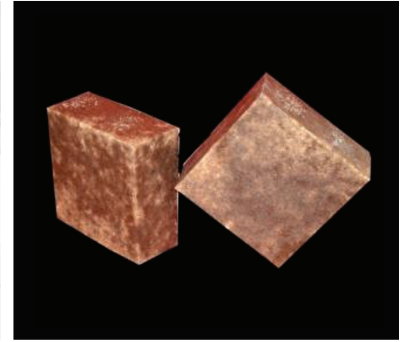
Magnesia Hercynite Bricks, Magnesia Spinel Bricks, Magnesia Chrome Bricks, Magnesia Ferrum Spinel Bricks, Magnesia Alumina Spinel Bricks, Silicon Bricks, Alkali Resistant Bricks.

## ALUMINA SILICA REFRACTORIES

SIC-Mullite (Andalusite), Multilayer Mullite Bricks with Reduced Thermal Conductivity.

## MONOLITHIC REFRACTORIES

Abrasion Resistant Castables, Corundum/Mullite Castable, Low Cement High Alumina Castable, Andalusite Containing Abrasion and Thermal Shock Resistant Castable, Super High Strength Abrasion Resistant Castable, Anti-crust Castable, Alkali-resistant Castable.



# NON-FERROUS METALS INDUSTRY

Leveraging our expertise in Non-ferrous Metals, DGC offers a range of refractory products designed for applications in Alumina, Copper, Zinc, Lead, Nickel, and more.

These high-quality refractory materials find applications in Electric Tanks, Rotary Kilns, Slag Cleaning Furnaces, Anode Furnaces, Flash Furnaces, and various other industrial processes.



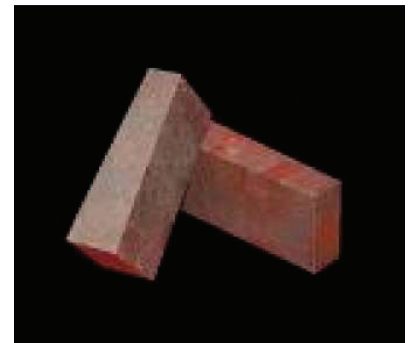
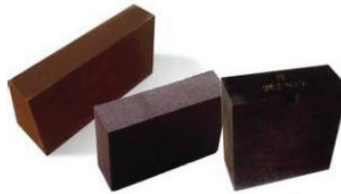
## SHAPED REFRACTORIES

Fused-Rebonded Magnesia Chrome Brick, Fused Semi-Rebonded Magnesia Chrome Brick, Magnesia Brick, High Alumina Brick, Direct-Bonded Magnesia Chrome Brick, Silicon Carbon Brick, etc.



## MONOLITHIC REFRACTORIES

Magnesia Chrome Castable, High Alumina Castable, Magnesia Chrome Ramming, Castable Reinforced with Steel Fiber, Abrasion Resistant Castable, Abrasion Resistant Plastics, Castable Reinforced with Steel Fibers, Dry Impervious material, Ceramic Fiber Vacuum Formed Tap Out Cone, Ceramic Foam Filter, etc.



# GLASS INDUSTRY

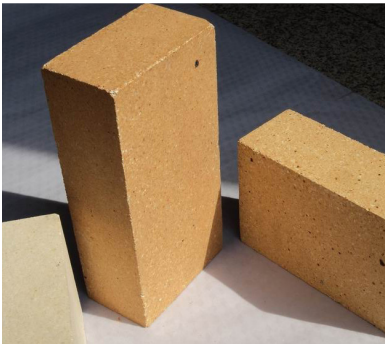
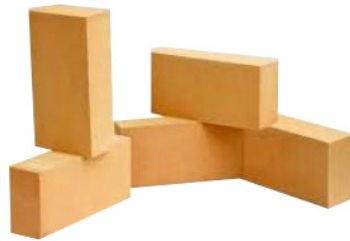
DGC has the capability to offer a wide array of refractory products catering to the glass industry. These products are designed for applications such as container glass tanks for colored and flint glass, fiber glass tanks, float glass tanks, tin bath bottoms, and more.

## SHAPED REFRACTORIES

Fused Cast Brick, Silica Brick, Zircon Brick, Sillimanite and Mullite Brick, Low Porosity Fireclay Brick, Magnesite Brick, Corundum Brick, Corundum-Mullite Brick, etc.

## MONOLITHIC REFRACTORIES

Light Weight Fireclay Castable, and Zircon-Mullite Ramming, Silica Hot Repairing Mix, and Mullite, Fireclay, Magnesite, Zirconia, and Zircon-Mullite Mortar.



# THERMAL POWER, ELECTRICAL, PETROCHEMICAL & COAL CHEMICAL INDUSTRY

Drawing on our expertise in electrical, petrochemical, and coal chemical industries, DGC offers a range of refractory products designed for applications in rotary kilns, sulphur combustion, and incineration plants.

## SHAPED REFRACTORIES

Fused-Rebonded Magnesia Chrome Brick, Fused Semi-Rebonded Magnesia Chrome Brick, Magnesia Brick, High Alumina Brick, Direct-Bonded Magnesia Chrome Brick, Silicon Carbon Brick, etc.

## MONOLITHIC REFRACTORIES

Magnesia Chrome Castable, High Alumina Castable, Magnesia Chrome Ramming, Castable Reinforced with Steel Fiber, Abrasion Resistant Castable, Abrasion Resistant Plastics, Castable Reinforced with Steel Fibers, Dry Impervious material, Ceramic Fiber Vacuum Formed Tap Out Cone, Ceramic Foam Filter, etc.



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We look forward to being your trusted partner in the refractory industry.