

Global Suppliers of Ladle Sand,
Chrome, Manganese &
Industrial Minerals





COMPANY OVERVIEW — PRINCE MINERALS SOUTH AFRICA

Prince Minerals South Africa has been a trusted supplier of ladle sand, chrome, manganese, magnetite, andalusite, and allied industrial minerals since 2003. Positioned within Southern Africa's key mining regions, the company has built a strong sourcing network and a reputation for reliability across global markets. Today, Prince Minerals serves customers throughout Asia, Europe, Latin America, Middle East and India, ensuring consistent, high-quality mineral products backed by dependable logistics and technical expertise.

With capabilities spanning the steel, foundry, glass, refractories, ceramic, construction and chemical sectors, Prince Minerals continues to deliver tailored mineral solutions that meet diverse industry needs. Following its integration into the Vibrantz Group in 2022 and its subsequent acquisition by Anatica in 2025, Prince Minerals enters a new phase of growth supported by a global distribution platform.

ANATRICA GROUP

Anatica is an international investment and trading group headquartered in Türkiye and South Africa, with a fast-expanding presence across the Middle East and Africa. The group operates across industrial minerals, chemicals, fertilisers, and agriculture supporting industrial development in high-growth regions.

Driven by a long-term vision to create a diversified and globally connected commodities business, Anatica prioritises sustainability, resource security, and value creation. The acquisition of Prince Minerals strengthens this strategy by establishing a solid foundation within the metals and minerals sector, including the critical minerals value chain.

PRODUCT PORTFOLIO

LADLE SAND

Prince Minerals manufactures and markets SureStart® under licence, the market-leading engineered ladle sand developed by Vibrantz Technologies. SureStart® is specifically designed to deliver high-flow, high-reliability performance in demanding steelmaking operations.

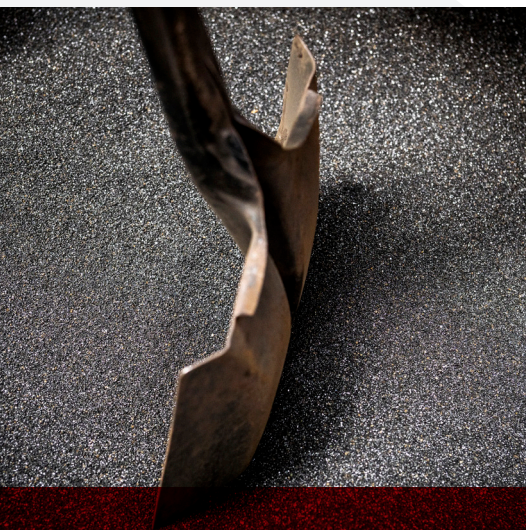
Produced with precisely controlled grain sizing and engineered to resist sintering, SureStart® provides consistent drainage, controlled ladle opening, and safe, predictable casting performance. Its excellent free-flow characteristics ensure dependable operation across a wide range of steel grades and casting conditions.

By delivering operational stability and repeatable performance, SureStart® supports improved steel quality, optimised ladle management, and reduced downtime, helping steelmakers achieve greater efficiency and confidence at every heat.

CHROME FLOUR

Prince Minerals' ChromOx is a globally recognised colorant used in the production of Emerald Green, Georgia Green, and Dead Leaf glass. Manufactured to exacting standards, ChromOx delivers exceptional consistency and performance across glass and ceramic applications.

Prince Minerals also supplies forehearth colorants—available in concentrate and frit formats—providing flexible alternatives for smaller-scale glass colour campaigns.



BRICKOX MANGANESE OXIDE

Prince Minerals supplies high-quality BrickOx Manganese Oxide, produced from carefully selected ores processed to meet precise customer specifications. Widely used in brick and tile manufacturing, it provides consistent colouring for clay bodies—producing brown tones under oxidised firing and metallic blue shades under reduction firing. BrickOx Manganese Oxide requires no hazardous material classification and is supplied as a stable, easy-to-use powder.

As a global leader in engineered Mn_3O_4 , Prince Minerals leverages its ability to source and manage material from multiple regions, ensuring customers receive a reliable and consistent supply.

FOUNDRY-GRADE CHROME SAND

Prince Minerals' high-performance Foundry-Grade Chrome Sand is engineered to minimise casting defects in cast iron and steel applications. Its high Cr_2O_3 content and ultra-low SiO_2 levels deliver excellent chilling properties for both heavy-section castings and detailed components. ChromeCAST reduces cleaning time, lowers resin consumption, and maintains strong tensile properties.

Washed, graded, and globally approved by leading foundries, ChromeCAST offers a high melting point of $2150^{\circ}C$, excellent thermal conductivity, and reliable performance in castings such as mill rolls, valves, pressure components, dredge cutters, truck parts, and steel foundry products.

MAGNETITE — DENSE MEDIA & COAL PROCESSING

Prince Minerals supplies high-purity magnetite with Fe content ranging from 60–70%, designed for efficient performance in coal washing, dense media separation (DMS), and mineral beneficiation. With controlled sizing and exceptional magnetic recovery, this magnetite enhances separation efficiency while reducing operating losses.

Renowned for its purity, consistency, and stability, Prince Minerals' magnetite supports both wet and dry separation circuits, contributing to improved processing reliability and environmentally responsible mineral management.



ANDALUSITE — HIGH-PERFORMANCE ANDALUSITE

Andalusite from Prince Minerals is a premium-grade product (Al_2SiO_5) valued for its superior thermal shock resistance, stability, and durability in extreme-temperature environments. With a Mohs hardness of 6.5–7.5 and a specific gravity of ~3.1–3.2, it provides excellent performance in refractories, ceramic products, foundry applications, and high-temperature insulation.

Available in 1–4 mm and 200# grades, Andalusite combines mineral purity with consistent performance, making it a preferred choice for manufacturers seeking long-lasting, high-quality aluminosilicate solutions.

BULK CHROME ORE - CONCENTRATES & LUMPY

A wide variety of metallurgical Grade Chrome Ore is supplied for use in the ferrochrome & stainless steel industries, with Cr_2O_3 grades of 40–46% and a Cr:Fe ratio of 1.4–1.8.

Our products deliver consistently high Cr/Fe ratios, reliable sizing, and dependable supply, supporting customers who demand excellence in performance, efficiency, and alloy quality. With strong partner mines and flexible logistics, we ensure stable, long-term availability to meet the critical needs of chrome smelters and steel producers worldwide.

BULK MANGANESE ORE — MEDIUM-GRADE ORE & FINES

Prince Minerals provides a versatile range of Bulk Manganese Ore solutions for ferroalloy producers and industrial users. Our Medium-Grade Ore (35–42% Mn) performs reliably in alloy blending, sintering, and metallurgical applications.

Complementing this, our manganese fines—available in milled or sized formats—serve the construction, chemical, and aggregate sectors as cost-effective, high-performance inputs. With strong supply continuity and flexible volume options, Prince Minerals supports customers across diverse industries.





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