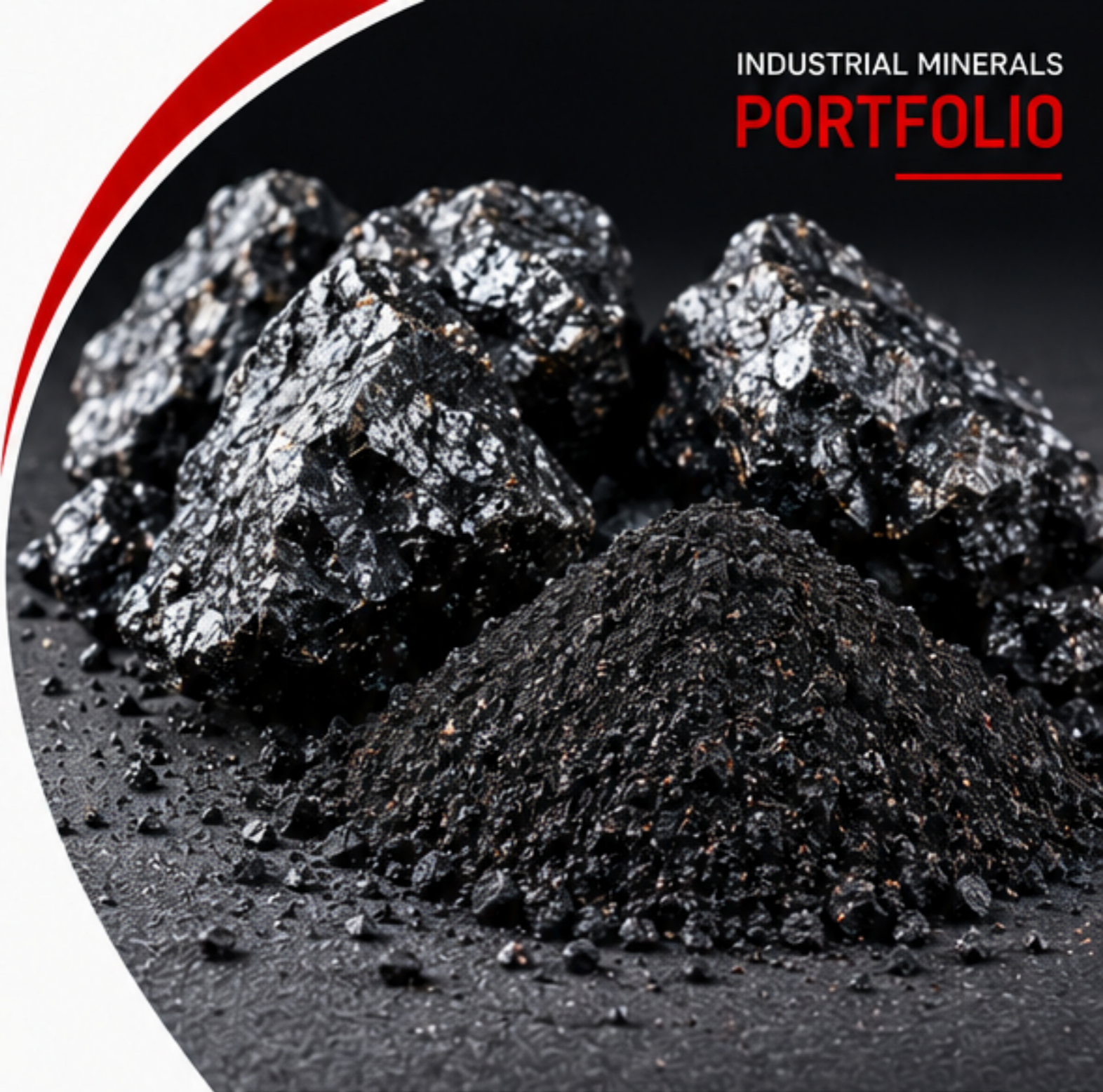




# 11 CHROMITE



## PRODUCT DESCRIPTION

Chromite ore is supplied as lumpy material with particle sizes ranging from fines up to lumps of approximately 25 cm. Cargo color is grayish to light gray. It is widely used in ferrochrome production, stainless steel manufacturing, refractory materials, foundry applications, and chromium-based chemical industries.

## CHEMICAL COMPOSITION

OXIDE	CONTENT (%)
Cr <sub>2</sub> O <sub>3</sub>	42.28
MgO	21.63
SiO <sub>2</sub>	9.58
Al <sub>2</sub> O <sub>3</sub>	7.58
Cr/Fe Ratio	2.89
Mg/Al Ratio	3.25
P	< 0.01
S	< 0.05

## PHYSICAL PROPERTIES

PROPERTY	VALUE
Appearance	Grayish to Light Gray
Particle Size	Fines to 25 cm Lumps
Moisture Content	0.204 %



## APPLICATIONS

- FERROCHROME PRODUCTION**  
Used as the main raw material for ferrochrome alloy production.
- STAINLESS STEEL PRODUCTION**  
Provides chromium for corrosion resistance in stainless steel.
- ALLOY STEEL PRODUCTION**  
Improves hardness, strength and heat resistance in alloy steels.
- REFRACTORY BRICKS**  
Used to produce magnesia-chrome refractory bricks.
- FOUNDRY SAND**  
Applied in casting molds for high-temperature metal casting.
- CHROMIUM CHEMICALS**  
Used to produce chromium compounds such as sodium dichromate, chromic oxide.
- GLASS & CERAMICS**  
Acts as a stabilizer and colorant in glass formulations and ceramic glazes.
- LEATHER TANNING**  
Chromium compounds are used in leather tanning for fiber stabilization.
- ELECTROPLATING INDUSTRY**  
Used to produce chromium plating for corrosion-resistant metal coatings.
- PAINTS & PIGMENTS INDUSTRY**  
Chromium oxide green and other chromite-derived pigments for paints and coatings.

## AVAILABLE FORMS



LUMP CHROMITE



CHROMITE FINES

## PACKAGING



PALLETIZED BAGS  
(in container)



1 m<sup>3</sup> JUMBO BAGS  
(in container)

## WIDELY USED IN KEY INDUSTRIES



FERROCHROME PRODUCTION



STAINLESS STEEL PRODUCTION



REFRACTORY INDUSTRY



FOUNDRY CASTING



CHROMIUM CHEMICALS



ELECTROPLATING INDUSTRY

