



04 LIMESTONE



PRODUCT DESCRIPTION

Limestone is a naturally occurring sedimentary rock composed primarily of calcium carbonate (CaCO₃). It is widely used in construction, agriculture, metallurgical, and industrial applications due to its high purity, consistency, and excellent chemical properties.




CHEMICAL COMPOSITION (XRF ANALYSIS)

COMPONENT	wt%
CaCO ₃	95.00 - 98.00
SiO ₂	0.50 - 2.00
Al ₂ O ₃	0.20 - 0.80
Fe ₂ O ₃	0.10 - 0.40
MgO	0.30 - 1.50
K ₂ O	0.01 - 0.05
Na ₂ O	0.01 - 0.05
SO ₃	0.05 - 0.20
L.O.I (Loss on Ignition)	42.00 - 44.00

PHYSICAL PROPERTIES

PROPERTY	UNIT	TYPICAL RANGE
Appearance	—	White to light gray crystalline powder
Whiteness	%	85 - 95
Bulk Density	g/cm ³	0.9 - 1.3
Specific Gravity	g/cm ³	2.70 - 2.75
Moisture Content	%	≤ 1.0
Hardness (Mohs)	—	3
pH (10% Slurry)	—	8.0 - 9.0
Solubility in Water	%	0.10 - 0.25
Particle Size	—	As per customer requirement

APPLICATIONS

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CONSTRUCTION INDUSTRY
 Used in cement, concrete, asphalt, road base, and as aggregate in construction materials.
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AGRICULTURE
 Soil conditioner to neutralize acidity and improve soil structure; source of calcium for plants.
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METALLURGICAL INDUSTRY
 Used as flux in steelmaking and non-ferrous smelting processes.
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CHEMICAL INDUSTRY
 Raw material for lime, calcium carbide, soda ash, and other chemical products.
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ENVIRONMENTAL APPLICATIONS
 Used in flue gas desulfurization, water treatment, and pH control.

AVAILABLE FORMS & PARTICLE SIZES



LUMP
10 - 50 mm



GRANULAR
2 - 10 mm



30 MESH
600 µm



100 MESH
150 µm



200 MESH
75 µm

i Other sizes available upon request.

PACKAGING

- 25 kg Bags (palletized)
- 1000 kg Jumbo Bags
- 1300 kg Jumbo Bags

