

TECHNICAL DATA

Parameters	Standard of Analysis	Min	Max
Calcium as CaO	ASTM C471M	30%	33%
Magnesium as MgO	ASTM C471M	< 0.5 %	< 1.5 %
Silica as SiO ₂	ASTM C25	0.30%	1%
Iron as Fe ₂ O ₃	ASTM C25	< 0.01	
Aluminium as Al ₂ O ₃	ASTM C25	< 0.01	
Combined water (215 - 230 Deg C)/ Crystal Water	ASTM C471M	18.65%	20.10%
Total Sulphate as SO ₃	ASTM C471M	42.00%	45.10%
Moisture (Free Water)	ASTM C471M	0.10%	2%
Chloride as NaCl	ASTM C471M	0.003%	0.01%
pH	ASTM C 25 / pH probe	7	8
Gypsum Purity(CaSO ₄ .2H ₂ O)	ASTM C471M	90%	96.50%

NATURAL RAW GYPSUM IN DIFFERENT SIZES:

50 -150 mm	10 -50mm	20 -50mm	0 -25mm
50 - 100 mm	5 -50mm	00 -50mm	0 -10mm



GYPSUM PLASTER OF PARIS

PRODUCT PORTFOLIO

- Gypsum Stucco Powder (Calcinated Gypsum / POP) – 150 mesh
- Gypsum Stucco Powder (Calcinated Gypsum / POP) – 200 mesh
- Agricultural Gypsum Powder
- Natural Gypsum Powder (Various mesh sizes).



TECHNICAL DATA

Specifications	Test Results
Sulphur Trioxide (So3)	43.57
Calcium Oxide (CaO)	32.47
Magnesium Oxide (MgO)	0.98
Iron Oxide (Fe2O3)	0.04
Aluminium Oxide (Al ₂ O ₃)	0.06
Silica (SiO ₂)	0.65
Moisture (Free Moisture)	0.02
Crystal Water	19.30
Purity (Ca So ₄ 2H ₂ O)	92.21
Packing	25 kg

CHEMICAL ANALYSIS

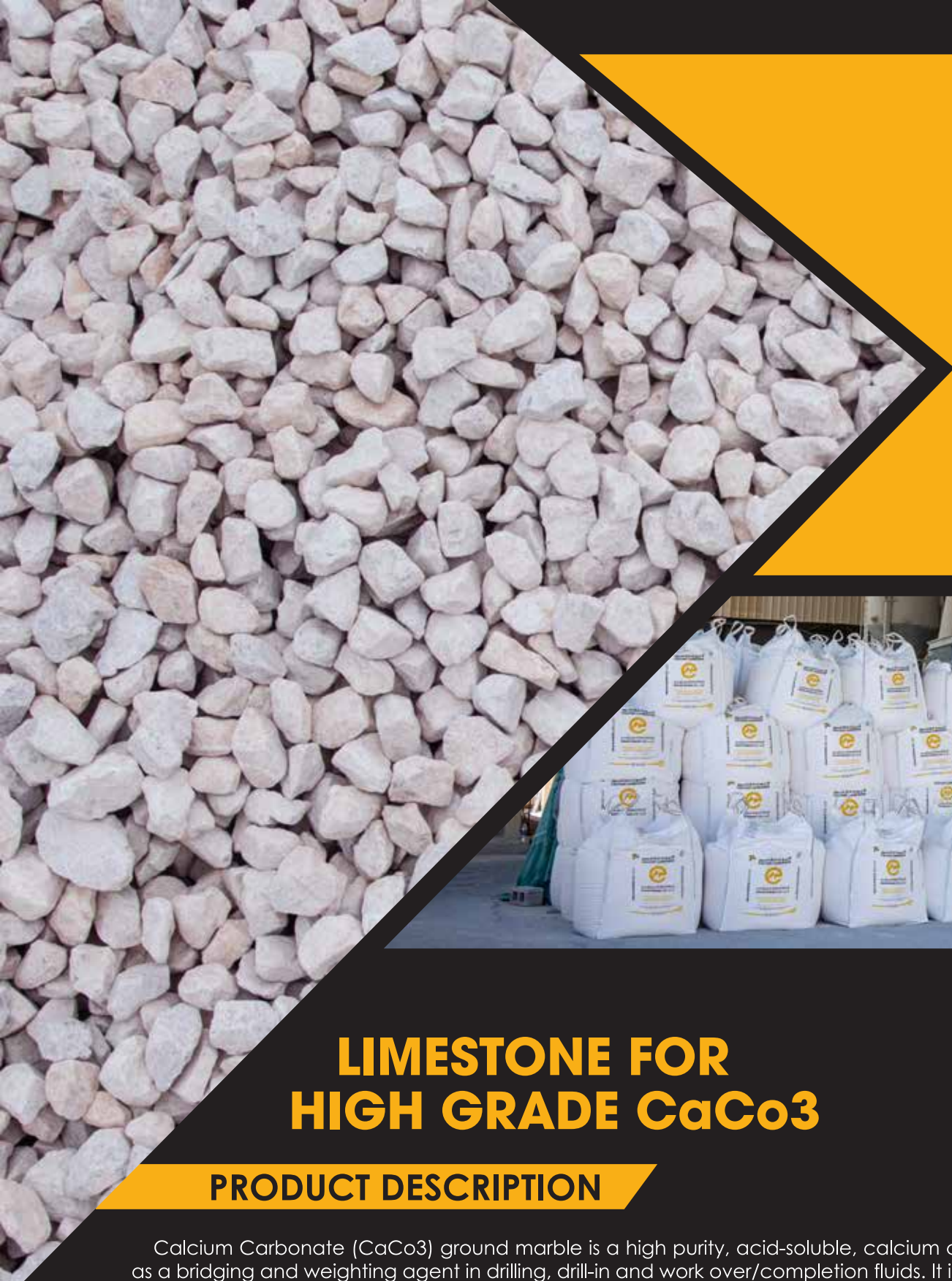
Sulphur Trioxide SO ₃	51.86%
Calcium Oxide CaO	40.31%
Soluble Magnesium Salt Expressed as MgO	0.058%
Soluble Sodium Salt Expressed as Na ₂ O	0.038%
Loss of Ignition (LOI)	4.80%
Free Lime	0.014%

PHYSICAL DETAILS

Mesh	150/200
Witness	95.14%
Packing	30 kg
Type of Bag	PP Laminated
Setting Time	
Initial	10-15 Minitues
Final	10-20 Minitues
Powder Water Ratio	1:0.7
Modulus of Rupture (Kg/cm ²)	75
Fluidity (cm)	23
Max (Gypsum/100g Water)	1.62
Setting Time	10-15 Minitues
Compresive Strength 10:0.65	58-95 Kg/cm ² with Powder: Water Ratio

GYPSUM ANALYSIS LAB





LIMESTONE FOR HIGH GRADE CaCO_3

PRODUCT DESCRIPTION

Calcium Carbonate (CaCO_3) ground marble is a high purity, acid-soluble, calcium carbonate used as a bridging and weighting agent in drilling, drill-in and work over/completion fluids. It is preferred over limestone because it is generally more pure with a higher hardness. High purity provides better acid solubility. High hardness provides a greater resistance to particle size degradation. Calcium carbonate (CaCO_3) is available in three standard grind sizes: Fine (F), Medium (M) and Coarse (C).

APPLICATION USE:

- Oil Field
- Drilling Activities
- Paint
- Cattle Feeds
- Construction Chemicals

BENEFITS:

- High Purity
- High Hardness
- Melting Point 800°C
- Solubility 99% (15% Hcl @ 45°C)

TECHNICAL DATA

Calcium Carbonate (CaCo3)	98.5%
Calcium Oxide (CaO)	55.08%
Silicon Dioxide (SiO2)	0.20%
Aluminium Oxide (Al2O3)	0.07%
Sodium Oxide (Na2o)	0.03%
Sulfur Trioxide (SO3)	0.02%
Moisture	0.05 %
Ph	9.05%
Specific Gravity	2.65 – 2.75 s.g
Appearance	White/off-White powder
SizeOr Crystalline	5 µm to + 250 µm
Packaging Jumbo bag	1000 kg per bag



PRODUCT PORTFOLIO

- Calcium Carbonate Powder – 5 micron
- Calcium Carbonate Powder – 10 micron
- Calcium Carbonate Powder – 25 micron
- Calcium Carbonate Powder – 50 micron
- Calcium Carbonate Powder – 100 micron
- Calcium Carbonate Powder – +250 micron (For Cattle Feed purposes).
- Calcium Carbonate Powder – Bridging Grade -10 micron
- Calcium Carbonate Powder – Bridging Grade -25 micron
- Calcium Carbonate Powder – Weight Material
- Calcium Carbonate Powder – LCM – Fine
- Calcium Carbonate Powder – LCM - Medium
- Calcium Carbonate Powder – LCM – Course

BUILD A **BETTER TOMORROW**. USE **EMAAR GYPSUM®**.