



ALPHA STONE

FOR CALCIUM CARBONATE

Talc, Talcum Powder
Coated Calcium Carbonate
UnCoated Calcium Carbonate
Limestone (Lumps)
Limestone (Granules)



SUSTAINABILITY IS OUR MISSION

MADE IN EGYPT

SINCE 2008

www.alphastone-eg.com



ABOUT US

ALPHA STONE Factory has established in 2008 in Egypt to produce Coated, UnCoated Calcium Carbonate and Talc Powder.

ALPHA STONE is continually making a superior effort along with financial investments for the improvement of the quality of its products and services.

ALPHA STONE now is having its own three manufacturing units in El Menia State in South Egypt along with the Head Quarter in Cairo.

ALPHASTONE is producing 33,000 MT per month from all the different powdered grades of Calcium carbonate & Talc along with more than 7,000 MT per month from granular limestone.

ALPHA STONE succeeded to be one of the largest manufacturers and exporter of Calcium Carbonate and Talc Powder in Egypt with production capacity of more 40,000 MT per month covering local and export markets.

ALPHA STONE in ISO 9001 : 2015 certified and registered in EOS in Egypt.

MISSION STATEMENT

Sustainability of the quality leads to client's satisfaction and long terms relations between ALPHASTONE and its business partners either in the local or international markets.



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PRODUCTION

ALPHASTONE is producing round 40,000 MT from Calcium Carbonate and Talc Powder through it's 12 manufacturing mills in three plants in addition to unlimited quantities of Limestone Lumps.

ALPHA STONE is using different types of packing as per the client instructions and based on the import country regulations either in polypropylene or paper bags.



- Coated Calcium Carbonate
- Un Coated Calcium Carbonate
- Talcum
- Granules

QUALITY CONTROL

ALPHA STONE is using the most advanced laboratories and inspection instruments In order to assure the **QUALITY SUSTAINABILITY** of its products.

Our Laboratory section is belt on two main elements; Quality Control and R&D in order to meet the client satisfaction.

Each Consignment has to be checked properly before dispatching by Malvern 3000 (Mastersizer) and Data Color (ELREPHO) for Calcium Carbonate Micromeritics SediGraph III Plus and Data color for TALC Powder.

Each production batch either for export or local market, Samples to be kept for certain amount of period as reference for any technical clarification in the future regarding the same batch.





TALC POWDER

Talc or Talcum is composed of hydrated magnesium silicate with chemical formula $Mg_3Si_4O_{10}(OH)_2$ comes from Southern Eastern Desert in Egypt with a structure of metavolcanic shaped in the form of irregular masses.

Talc or Talcum is considered the softest mineral on earth.

ALPHA STONE is producing round 3,000 MT per month of Talc of different grades to suites many industries which can be used as a filler for (Paint, Ceramics, Paper, Rubber, Plastics, Detergents, Roofing, etc ...) and as a carrier for (insecticides & fungicides).

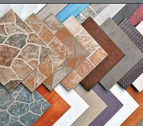
ALPHA STONE is using the most advanced rolling mills German tech brought by ALPINE, HOSOKAWA.

ALPHA STONE Talc is high in whiteness and free from asbestos and heavy metals processed with strict quality controls for delivering the best & superior products.

Our Grades of Talcum Powder

Grade	D98 (Top Cut)	D50 (Median)
ASK-210	10 +/- 0.5 Micron	3 +/- 0.2 Micron
ASK-212	12 +/- 0.5 Micron	3.5 +/- 0.2 Micron
ASK-215	15 +/- 1 Micron	4 +/- 0.2 Micron
ASK-220	20 +/- 1 Micron	4.2 +/- 0.2 Micron
ASK-225	24 +/- 1 Micron	4.5 +/- 0.2 Micron
ASK-230	30 +/- 1 Micron	5.5 +/- 0.5 Micron
ASK-240	40 +/- 2 Micron	8.5 +/- 0.5 Micron

Measured by Micrometric Sedigraph



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ALPHA STONE
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UNCOATED CALCIUM CARBONATE POWDER

Calcium carbonate mineral, calcite (CaCO_3). Limestone constitutes approximately 10 percent of the sedimentary rocks exposed on the earth's surface located in El Minya Governate in Egypt.

ALPHA STONE has its owned calcium carbonate (Limestone) mines near to the plant which assure the continues supply of the raw material in a good quality.

ALPHA STONE limestone may be used as the basis for crushed or ground calcium carbonate. Ground calcium carbonate, commonly referred to as GCC is widely used as an industrial mineral. Three primary attributes: particle size color and chemical purity define the quality of the GCC, and define the suitability of use for any given application.

ALPHA STONE is producing round 23,000 MT from Un Coated Calcium Carbonate grades which used as a filler for many industries such as Paint, Putties, Plastics Adhesives, Sealing compounds, Tooth paste, Road marking, etc .

Our Grades of Un Coated Calcium Carbonate Powder

Grade	D97 (Top Cut)	D50 (Median)
AS-082	8.5 +/- 0.5 Micron	2 +/- 0.2 Micron
AS-102	10.5 +/- 0.5 Micron	2.6 +/- 0.2 Micron
AS-122	12 +/- 1 Micron	2.8 +/- 0.2 Micron
AS-152	15 +/- 1 Micron	4 +/- 0.2 Micron
AS-202	20 +/- 1 Micron	4.75 +/- 0.25 Micron
AS-252	24 +/- 1 Micron	5.5 +/- 0.5 Micron
AS-9	44 +/- 2 Micron	10 +/- 1 Micron
AS-7	64 +/- 2 Micron	11.5 +/- 1 Micron
AS-5	94 +/- 2 Micron	14.5 +/- 1 Micron
AS-3	148 +/- 2 Micron	18.5 +/- 1 Micron

Measured by MALVERN 3000





COATED / TREATED CALCIUM CARBONATE POWDER

ALPHA STONE Coated Calcium Carbonate is produced by surface coating the Regular Calcium Carbonate slurry with Stearic Acid.

The particle size, as well as the crystal form, is controlled by temperature concentration of reactants and time.

ALPHA STONE Coated Calcium Carbonate CaCO_3 is a fine powder with good dispersion properties, It is manufactured from a high purity white Limestone.

ALPHA STONE is producing round 7,000 MT from Coated Calcium Carbonate grades which used as a filler for many industries such as Emulsion Paint, Plastics, Pipes Masterbatch, Injection molding, calendared sheets, films, Rubber, etc ...).

ALPHA STONE Coated Calcium Carbonate is currently exported to more than 25 countries all over the world.

Our Grades of Un Coated Calcium Carbonate Powder

Grade	D97 (Top Cut)	D50 (Median)
AS-082T	8.5 +/- 0.5 Micron	2 +/- 0.2 Micron
AS-102T	10.5 +/- 0.5 Micron	2.6 +/- 0.2 Micron
AS-122T	12 +/- 1 Micron	2.8 +/- 0.2 Micron
AS-152T	15 +/- 1 Micron	4 +/- 0.2 Micron
AS-202T	20 +/- 1 Micron	4.75 +/- 0.25 Micron
AS-252T	24 +/- 1 Micron	5.5 +/- 0.5 Micron

Measured by MALVERN 3000



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LIMESTONE (LUMPS AND GRANULES)

Calcium Carbonate / Limestone is a chemical compound with the formula CaCO_3 . It is a common substance found in rocks as the minerals calcite and aragonite (most notably as limestone, which is a type of sedimentary rock consisting mainly of calcite) and is the main component of eggshells, gastropod shells, shellfish skeletons and pearls. Calcium carbonate is the active ingredient in agricultural lime and is created when calcium ions in hard water react with carbonate ions to create limescale.

ALPHA STONE mines are located in El Minya Governate which considered one of the richest areas of limestone along with the best chemical composition.

ALPHA STONE is currently exporting more than 2,000 mt. per month to Asian countries.

Typical Chemical Properties %	
CaCO_3	99.8
CaO	55.6
MgO	0.15
Fe_2O_3	0.003
Al_2O_3	0.002
SiO_2	0.01 - 0.03
L.O.I	44.02

Typical physical Properties %	
Brightness (RY)%	96 Min
Yellow index%	4.4 Max
Refractive index %	1.59
PH value (787/9)	9Max
Loose bulk density gm/cm^3	1.18±0.2
Hardness in Mohs*	3
Moisture	0.2%Max

Range of products starts from 1 cm up to 25 cm for Lumps and from 0.5 mm up to 5 mm for Granules.





ALPHA STONE

FOR CALCIUM CARBONATE

Talcum
Calcium Carbonate
Limestone

Head office :

New Cairo, Cairo Governate, Egypt

Factory :

Almenia industrial zone Almenia City – Egypt

Telefax : +20 22 876 613

phone : +20 111 412 2228 - +20 122 734 8893
+20 100 166 2433

Email : info@alphastone-eg.com
sales@alphastone-eg.com

