



شركة المنيا للكاربونات
Minya Carbonate Company
مجموعة فسطور KASTOUR GROUP

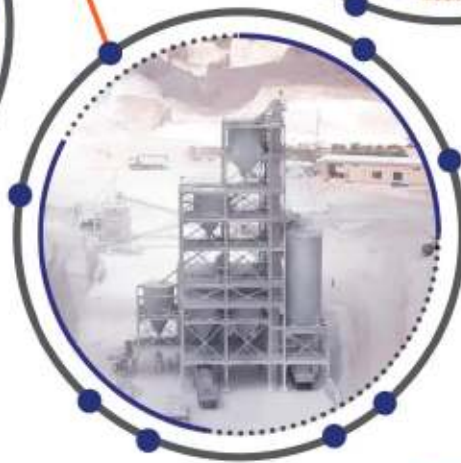
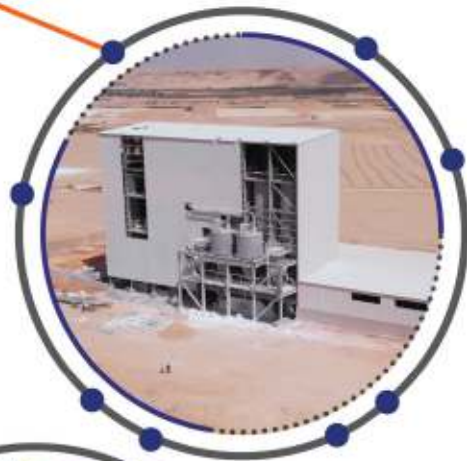
MINYA CARBONATE CO.

KASTOUR GROUP

welcome



WHITE JEWELRY OF EGYPT



WELCOME

CHAIRMAN



Minya Carbonate Co. (MCC) established in 2014 for producing Ground Calcium Carbonate. MCC is a subsidiary of Abo Kastour Group of companies operating in Egypt since 1956.

The Company owns a quarry, crusher & plant at El-Minya (Upper Egypt). The location of the quarry at Sareia Valley El-Minya is known for the premium Limestone quality worldwide. The quarry and the crusher are on 80,000m². The German technology crusher produces 125 ton/hour of CaCO₃ with particle size ranging from 45μ – 3mm.

The Plant is built over 40,000m² in the Industrial zone of New Minya City. The plant will further process the crusher products to produce Fine & Super Fine both coated and uncoated CaCO₃ with particle size from 3μ to 45μ. The area is known for the premium Limestone quality worldwide due to the high limestone purity & the above 95% whiteness.

Mr. Talaat Kastour

DEPUTY CHAIRMAN



Limestone is a common sedimentary rock composed primarily of the calcium carbonate (CaCO₃). Limestone constitutes approximately 10 percent of the sedimentary rocks exposed on

the earth's surface. Either limestone or marble may be used as the basis for crushed or ground calcium carbonate. Ground calcium carbonate, commonly referred to as GCC, and 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. We manufactures crushed and ground limestone products at two of the performance mining plants.

At Minya Carbonate Company high brightness limestone from our quarry (size from 3 mm up to 45 micron) are ground into products which range in size from 36 micron to 2 micron.

GCC products are used in the whole variety of applications for limestones – building products, paints, plastics, agriculture, glass, animal feed, and paper, among others.

Mr. Yassa Kastour

CEO



We consider this the first phase, and we hope we can reach other phases and complete the facility with all its equipment fully functioning successfully, God willing.

Calcium Carbonate manufacturing process has several technical details in which each step is executed efficiently with minimal physical interference.

But the first step in the production process does not take place in the factory, but in the quarries and here, the work of the grinder starts. Minya Carbonate Company (MCC) is to produce high quality and quit homogenous grounding calcium carbonate from the best source limestone in Minya.

For the wide range of industrial application as surface treated calcium carbonate by using highest technology such as Hosokawa Alpine and Haver & Bocker in our milling plant and Hazemag, Mogensen and Hosokawa Alpine in the crusher plant.

Our products are sold in export to Asia, Middle East, Africa and Many other countries directly through our sales team or through our distributors.

Mr. Sherif Kastour

SUCCESS TEAM

MR. SHERIF KASTOUR CEO



QUALITY, HEALTH, SAFETY AND ENVIRONMENT

MCC strongly believe that safety is not just about the workplace but is a crucial part of the basic culture of the company. We set challenging safety goals for all of our people and encourage the development of this culture at all levels within the company. A safe working environment for all our people is one of our highest priority as a company

WE CARE ABOUT OUR CUSTOMER AND OUR PEOPLE

VISION

To be the fastest growing, most rewarding and most transformative leadership community

MISSION

Dedication to the highest quality of Customer Service delivered with a sense of warmth, friendliness, individual pride, and company Spirit

VALUE

We put all our resources to obtain customer's satisfaction in both local and international markets assuring our best services and performance.

OUR PEOPLE

Leads performance transformations that boost organizational health, facilitating stronger leadership, shaping culture, and counseling top teams.

We have carefully selected a team of dedicated and experienced engineers, geologists and chemists who have the passion to provide the best quality products possible.

QUALITY CONTROL

QUALITY IS OUR TARGET

Core drilling for a number of 5 boreholes were executed on MCC limestone quarries. Complete chemical analysis for 50 samples, physical testing for the determination of density, whiteness and compressive strength.

WE HAVE THE LATEST EQUIPMENT USED FOR TESTING:



1- MALVERN (MASTERSIZER 3000)

For (PSD) Particle Size Distribution measurement using Laser rays.



2- SEDIGRAPH III 5125

For (PSD) Particle Size Distribution Measurement using X-Rays



3- DATA COLOR (ELREPHO)

For whiteness, Brightness and yellowness measurement.



4- AIR JET (E200 LS)

For sieve residue measurement.



7- SONICS VIBRA-CELL ULTRA SONIC DEVICE

for super fine products suspending in Sodium HexaMeta Phosphate Solution.



5- NABERTHERM OVEN

For moisture content calculation.



6- ACCURIS ANALYTICAL BALANCE

With accuracy reaches to 0.0001

A-CRUSHER PRODUCTS

Crusher Calcium Carbonate

	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M54	M56	M59	M69
PSD	2-3 mm	0-3 mm	1-2.5 mm	1-2 mm	0.5-1 mm	100 μ	90 μ	0.5 mm	200 μ	125 μ	1-2.2mm	0.5-1.8mm	0.1-1.8mm	0.1-1mm
Animal & Poultry Feed	●		●	●	●						●	●		
Glass Manufacturing				●	●			●				●	●	●
Ceramic Manufacturing						●	●		●	●				
Water Proofing Manufacturing						●	●			●				
Self-Compacting concrete									●	●				
Environmental protection			●	●	●									
Glaze						●	●		●	●				

● This is guide and you can use other sizes for different uses.



1-ANIMAL AND POULTRY FEED

For its high quality and cost effectiveness, granules calcium carbonate is used for animal and poultry feed **Products (M2, M4, M5 and M6).**



2-GLASS MANUFACTURING

Due to its low contamination contents of Fe_2O_3 and SiO_2 and high content of CaO . Calcium carbonate is used in glass manufacturing. **Products (M5, M6 and M9)**

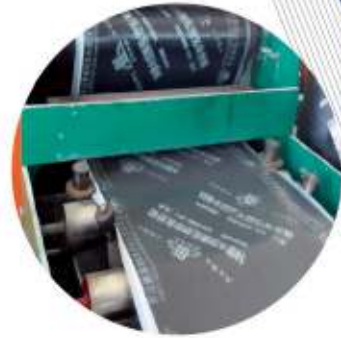


3-CERAMIC MANUFACTURING

Calcium Carbonate is the main source of calcium in glazes and also a flux at high temperatures. Contributes hardness and durability and in large quantities. **Products (M7, M8, M10 and M11)**

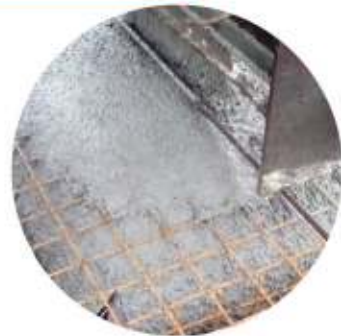
4-WATER PROOFING MANUFACTURING

Calcium carbonate Reduce the shrinkage, decrease the tendency of the product to flow and prevents localized displacement of the adhesive
Products (M7, M8 and M11)



5-SELF-COMPACTING CONCRETE

Calcium carbonate affects the properties of self-compacting concrete, specifically the water demand and workability of concrete mixes.
Products (M10,M11)



6-ENVIRONMENTAL PROTECTION

Granules calcium carbonate is used in lakes, rivers and soil to raise the PH level and de-acidify natural bodies of water



7- FIBER GLASS

Calcium carbonate is a filler used to thicken resins and improve the rigidity of final products. It has good durability for products used at higher temperatures.



8- AGRICULTURE

Calcium is a necessary nutrient for plants. Together with magnesium, nitrogen, phosphorus, and potassium, calcium is one of the five title planned nutrients.



B- NORMAL PRODUCTS

Normal Ground Calcium Carbonate GCC

		M17	M20	M25	M30	M40	M50	M60	M70	M80	M40S	M50S
PSD	D97 micron	34-36	23-25	19-21	16-18	11-13	8-9	5-6	4-5	3-4	10-11	6.5-7.5
	D50 micron	5.5-6.5	4.5-5.5	3.8-4.5	3.5-4	2.6-3	1.8-2.2	1.5-1.7	1.2-1.4	0.9-1	2.5-2.8	1.7-1.9
	2um%	20±2	26±2	28±2	30±2	36-40	47-52	58-62	66-70	75-80	38-42	52-55
Oil absorption(g/100g)		14.5±0.5	17±0.5	17±0.5	18±0.5	19±0.5	20.5±0.5	21.5±0.5	22.5±0.5	23±0.5	20±0.5	21±0.5
Interior & Exterior Emulsion paints		●	●	●	●	●	●	●	●	●	●	●
Lacquer paints					●	●	●	●	●	●	●	●
Industrial Coatings		●	●	●	●	●	●				●	●
Adhesives & Sealants		●	●	●	●	●	●	●	●	●	●	●
Ink							●	●				
paper (Fillers)								●	●	●		
Coating pigments paper								●	●	●		

● This is guide and you can use other sizes for different uses.

1- PAINTS & COATING

Our grounding calcium carbonate is used as a filler in the paints industry due to its competitive pricing, chemical and physical properties such as whiteness, low oil absorption and enhancement for opacity.

Ground calcium carbonate is used as a booster for adhesives and sealants profile.



2- ADHESIVES

Calcium carbonate is a relatively soft, insoluble mineral that is widely used to reduce cost and to control shrinkage in adhesive and sealant formulations



3- POWDER COATING

calcium carbonate products can improve the physical and rheological properties of powder coating

4- JOINT SEALANT

calcium carbonates increase the resistance and durability of adhesive & sealant joints, and thus the life cycle of the final products.



5- PAPER

Calcium carbonate is commonly used in conjunction with kaolin in papermaking; it can increase the luster, whiteness, opacity, and ink absorption of paper. The shift from acidic to neutral sizing methods in the papermaking industry has greatly increased demand for calcium carbonate. Calcium carbonate is chiefly used as a surface coating in the neutral papermaking process, and is also used as a filler to cut expenses.



6- INKS

Calcium carbonate activated with a compound coupling agent is used in ink, and can effectively cut costs, increase volume, prevent settling, and improve the ink's luster, transparency, adhesion, and color brightness.



C- COATED GCC PRODUCTS

Coated Ground Calcium Carbonate

	M20T	M30T	M40T	M50T	M60T	M70T	
Product Specs	D(97)	24	18	12	8	5	4
	D(50)	5.5	4	3	2.2	1.7	1.4
	Stearic Acid %	0.8	0.9	1.1	1.2	1.3	1.4
	Oil Absorption	13	13.9	14.8	16.7	16.9	17.1
Masterbatch	Plastic Modling			●	●		
	Plastic Film			●	●	●	●
	Plastic Sheets			●	●		
PVC Compound	PVC Pipe&Fitting	●	●	●			
	PVC Profile		●	●	●		
	Cables				●	●	●
	PVC Flooring			●	●		

● This is guide and you can use other sizes for different uses.

1- PLASTICS

GCC is a popular additive in plastic manufacturing.

It allows polymers to heat and cool faster resulting in higher productivity for plastic producers.

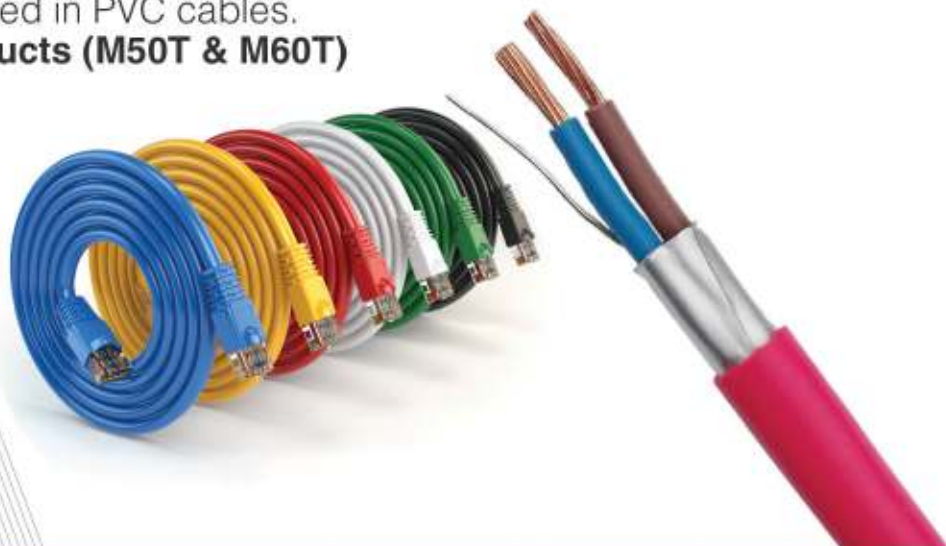
The use of GCC in plastic production reduces the energy used during the manufacture process.



2- PVC CABLES

Use of calcium carbonate as a filler can increase insulating effect GCC treated with stearic acid are used in PVC cables.

Products (M50T & M60T)



3- PIPES AND FITTINGS

Calcium carbonate improves the base properties of polyvinyl chloride by adding stiffness to the polymer matrix and improving impact resistance as particle sizes become smaller, this can be achieved in larger diameter pipes using a formulation containing a 2-3 micron.

Products (M25T, M30T, M40T and M50T)



4- MASTER BATCH

Most polyolefin fabricators will use calcium carbonate via master batches in their processes. These are generally 70 to 80% by weight calcium carbonate in a polyolefin carrier resin.

Products (M25T, M30T, M40T and M50T)



5- PVC FILLER

Calcium carbonate is a filler used to thicken resins and improve the rigidity of final products. It has good durability for products used at higher temperatures.



6- RUBBER

Ground calcium carbonate is used in a wide variety of rubber applications as both an extender and detackifying agent. In other calcium carbonate rubber applications, it can add stiffness or provide abrasion resistance.



7- RAFFIA

This specialized calcium carbonate is a great opportunity to cut raw material costs and improve the quality of nonwoven fabrics.

The higher thermal conductivity and lower specific heat of calcium carbonate are key advantages in molding applications.







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