

UNITE PRESENTATION



 <https://bcb-dz.com>

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 ZONE d'activité oued Soudan Berriane Ghardaia

Generalities

Name: SARL BCB

Adress: ZONE d'acctivité oued Soudan Berriane Ghardaia

Share Capital: 40 000 000 DA

Plant Surface: 8201 M2

Built Area: 1682 M2

Capacity: 300T/ Day Full automatic Line.

General Manager: Hamid Baslimane

Career: 1- the unit is currently fed by a family quarry near the factory (50m).
2- BCB has a quarry not yet exploited (300m)away with an area of 12 hectars and a validity of 14 years



Our History



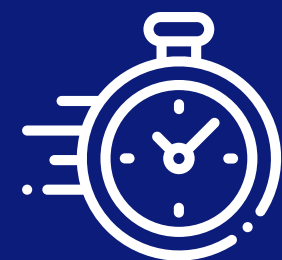
2007: Unite Creation



*2012: Start of production activity
with a capacity of*



*2015: Expansion of the production line
to capacity of.*



2018: possession of quarry



Our Process



Screening



Calcination



Micronization



Packaging

Screening:

After the extraction of limestone, stone screening is an essential and unitary operation that allows for the separation of a population of material fragments based on their dimensions with the purpose of separating larger fragments.



Calcination (Burning)

By calcining limestone (CaCO_3) at around $900\text{ }^\circ\text{C}$, quicklime is obtained along with the release of carbon dioxide (CO_2).

This is a decarbonation reaction. This reaction is accompanied by a mass loss of up to 45% and a volume loss of up to 15%, corresponding to the loss of carbon dioxide according to the following chemical reaction: $\text{CaCO}_3 \Rightarrow \text{CaO} + \text{CO}_2$

Apart from the traditional lime kiln calcination furnace, there are two types of furnaces: vertical kilns and rotary kilns.



Grinding and Micronization:

Grinding of quicklime involves reducing its particle size, which can be achieved using various types of mills to achieve granularities smaller than 2 mm.

Micronization is a technique that involves reducing quicklime into very tiny particles on the order of micrometers by employing classification techniques.



Packaging:

Packaging is the process by which prepared lime, following specific rules and standards, is placed into bags, big bags, buckets, or other containers for distribution and use.



Our Products



Quicklime

Quicklime is the direct product of the calcination of limestone, primarily consisting of calcium oxide (CaO).



Dolomitic lime

Dolomitic lime (CaO-MgO) is a mixture of calcium carbonate and magnesium carbonate. Its advantage over regular lime is that it contains both calcium and magnesium, two essential nutrients for the soil.

Application Areas

Lime remains an essential product in numerous applications such as:

- Glass and ceramics.
- Waste treatment.
- Water treatment.
- Soil stabilization.
- Smoke treatment.
- Paper industry.
- Pharmaceutical industry.
- Civil engineering and public works.
- Chemistry and petrochemistry.
- Steel industry.
- Agriculture.
- Sludge treatment.



Our Machines and Equipments made by:

Calcination: **maerz**

Type: vertical

Model Double Shaft

Energy: Natural gas

Capacity 300T/D

Year: 2015

Brand : Mearz Leader in Furnace Designing

Micronisation:



Type : Pendulum

Capacity : 15T/H

Brand : ANIVI

Bagger:

HAVER & BOECKER



Type: Rotary spout

Model: 08 Spouts

Capacity: 1500 Bag/h

Brand: Haver & Boecker

Palletizer:



Type: 1500.S1200.P28.060R2

Capacity: 1500 Bag/h

Brand: NEWTEC BAG



THANK YOU