

# HIGH CALCIUM QUICKLIME

*AN EFFECTIVE SOLUTION FOR YOUR APPLICATION*



## PRODUCT INFORMATION

Typical Ranges

### Chemistry

93-97% CaO

### Sizing

2 1/4" down to 0"

### Reactivity

30-50 °C minimum 3-minute heat rise

Product specifications vary by location. For the product typicals for a specific location, please contact us at: [salesinquiries@carmeuse.com](mailto:salesinquiries@carmeuse.com)

High calcium quicklime, chemically known as calcium oxide (CaO), or commonly referred to as lime, is a widely used chemical compound that originates from calcium carbonate (aka limestone). Quicklime is primarily made up of calcium, magnesium and small amounts of other chemical compounds depending on the formation of the originating limestone.

## PRODUCT BENEFITS

Carmeuse high calcium quicklime is derived from select high calcium limestone deposits containing no more than 5% magnesium carbonate. Our material is routinely tested for quality and consistency, to ensure the right chemistry and physical properties for industrial applications.

- High calcium content (CaO) provides superior performance for application needs
- Efficient source for pH adjustment and acidity control
- One of the most cost-effective alkaline materials, compared to caustic
- Routine testing for quality and consistency
- Readily available through our network of plants in a variety of sizes from pebble down to fines
- Safety advantages compared to caustic soda

# HIGH CALCIUM QUICKLIME

## HIGH CALCIUM QUICKLIME PRODUCTION

High calcium quicklime (CaO) is produced when limestone, or calcium carbonate (CaCO<sub>3</sub>), is heated in a kiln through the process of calcination.



After limestone with high calcium content is sourced from our quarries and underground mines, it is transported and processed through a series of crushers to reach a desired size. The material is then heated in a lime kiln at temperatures between 1650°F-1850°F to produce high calcium quicklime. Carmeuse offers a variety of sizes of high calcium quicklime to meet your application needs, with delivery from our large network of plants. For sizing and availability, contact us.

## PRIMARY INDUSTRIES

- Agriculture
- Chemical
- Construction
- Environmental
- Flue Gas Treatment
- Iron & Steel
- Mining (Non-Ferrous)
- PCC and Pulp & Paper

Carmeuse is your trusted partner from source to solution with our End-2-End Services offering providing raw materials, freight & logistics support, and lime handling systems. Every step of the way, we go above and beyond to make things simple for our customers and we have the expertise to help in whatever you may need from choosing the correct raw material to maintaining your lime system.

PLEASE CONTACT US VIA EMAIL OR PHONE AND WE CAN RECOMMEND A PRODUCT TO BEST MEET YOUR NEEDS.

[salesinquiries@carmeuse.com](mailto:salesinquiries@carmeuse.com)  
**1-866-780-0974**

## CARMEUSE

11 Stanwix Street, 21st Floor  
Pittsburgh, PA 15222  
[www.carmeuse.com](http://www.carmeuse.com)

## PRODUCT LOCATIONS

USA

LONGVIEW OPERATION  
Saginaw, Alabama

BUFFINGTON OPERATION  
Gary, Indiana

DAVENPORT LIME OPERATION  
Davenport, Iowa

BLACK RIVER OPERATION  
Butler, Kentucky

MAYSVILLE OPERATION  
Maysville, Kentucky

PELICAN TERMINAL  
Baton Rouge, Louisiana

RIVER ROUGE OPERATION  
River Rouge, Michigan

GRAND RIVER OPERATION  
Grand River, Ohio

LUTTRELL OPERATION  
Luttrell, Tennessee

WINCHESTER OPERATION  
Clearbrook, Virginia

CANADA

BEACHVILLE OPERATION  
Ingersoll, Ontario

BLIND RIVER OPERATION  
Blind River, Ontario

For a full listing of products  
available at each location:  
**VISIT OUR WEBSITE**



All data shown is for illustration purposes only. Actual product specifications can vary based on several different factors. Carmeuse does not warrant or guarantee the accuracy of the above-referenced data, and will not be liable for any loss or damage arising out of the use thereof. The information contained herein is offered for the user's consideration, examination, and determination of suitability.

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