

CONSTRUCTION QUICKLIME

THE ULTIMATE GAMECHANGER FOR SOIL STABILIZATION



PRODUCT INFORMATION

Typical Ranges

Chemistry

>90% [CaO + MgO]

Sizing

100% Passing 3/16"
50-60% Passing 50-Mesh

Reactivity

21.7-36.3 °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

Construction Quicklime (CQL) is an innovative approach to the manufacturing of quicklime designed to meet the evolving needs of the construction industry. At its core, CQL features fine particles of quicklime, chemically known as calcium oxide (CaO), or commonly referred to as lime, to drive chemical reactions desired in many soil applications. Lime is a widely used chemical compound that originates from calcium carbonate (limestone) and is primarily made up of calcium, magnesium and small amounts of other chemical compounds depending on the formation of the originating limestone.

PRODUCT BENEFITS

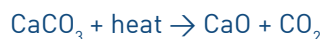
Construction quicklime is derived from select limestone deposits and is routinely tested for quality and consistency, to ensure the right chemical and physical properties for construction applications.

- Compaction can be done in 4 hours or less, depending on soil type
- Less mixing is required, especially in low to moderately plastic soils
- Increased load capacity compared to traditional quicklime
- Compatible with a broader range of spreader trucks, increasing spreading versatility
- Accelerates project schedules with reduced mellow time and no need to remix before compaction
- Early strength development ensures a stable platform for quicker building

CONSTRUCTION QUICKLIME

CQL PRODUCTION

Quicklime (CaO) is produced when limestone, or calcium carbonate (CaCO₃), is heated in a kiln through the process of calcination.



After high quality limestone is sourced from our quarries and underground mines, it is transported and processed through a series of crushers until the desired fineness is reached. The material is then heated in a lime kiln at temperatures between 1650°F-1850°F to produce quicklime. CQL is further engineered/processed to meet the demands of modern construction projects. For sizing and availability, [contact us](#).

WHAT MAKES CQL DIFFERENT THAN QUICKLIME?

CQL has a significantly higher surface area, allowing for faster hydration and accelerated chemical reactions, which reduces the time required for soil stabilization. Additionally, CQL's finer particle size distribution, being twice as fine as traditional quicklime fines, enhances its ability to mix and homogenize with soil. This results in a more uniform mixture that speeds up the transformation of unsuitable soil into viable construction material, crucial for meeting demanding construction schedules.

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
1-866-780-0974

CARMEUSE

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PRODUCT LOCATIONS

_____ USA _____

BUFFINGTON OPERATION
Gary, Indiana

MAYSVILLE OPERATION
Maysville, Kentucky

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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