



Quicklime Pulverized Calcium Oxide

TECHNICAL DATA SHEET

Product Description

MLC™ Quicklime Pulverized is a milled quicklime that can be applied in many chemical and industrial applications where a small particle size and consistent quality are required. The consistency of Quicklime Pulverized makes it ideal as a raw material for fiberglass, glass, soil stabilization, and steel applications.

Typical Chemical Properties

| | |
|---|---------|
| CaO – Available | 95% |
| CaO - Total | 98.0% |
| Carbon Dioxide (CO ₂) | 0.7% |
| LOI | 1.2% |
| Magnesium Oxide (MgO) | 0.8% |
| Alumina (Al ₂ O ₃) | 0.2% |
| Iron (Fe ₂ O ₃) | 0.1% |
| Silica (SiO ₂) | 0.7% |
| Sulfur (S) | 0.05% |
| Phosphorus Oxide (P ₂ O ₅) | 170 ppm |
| Manganese Oxide (MnO) | 30 ppm |

Product Size Graduation

| | |
|-------------------|-------|
| -200 Mesh (74 µm) | 99.9% |
| -325 Mesh (45 µm) | 98% |

Typical Physical Properties

| | |
|------------------------------------|-------------------------|
| Specific Gravity | 3.3 |
| pH | 12.45 |
| BET Surface Area | 2.0 m ² /g |
| Apparent Dry Bulk Density – Loose | 40 lbs./ft ³ |
| Apparent Dry Bulk Density - Packed | 60 lbs./ft ³ |
| Reactivity 30 sec. | 27 °C |
| Reactivity 180 sec. | 54 °C |
| Total Temperature Rise | 55 °C |
| Total Reactivity Time | 280 sec |

Available Certifications

- ✓ AWWA Standard: B202-19
- ✓ ASTM Standard: C977-18, C911-19, and C5-18



Certified to
NSF/ANSI/CAN 60

[mlc.com](https://www.mlc.com)

sales@mlc.com | 800.437.5463

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