



Granular Quicklime

Ste. Genevieve, MO
Calcium Oxide

TECHNICAL DATA SHEET

Product Description

MLC™ Quicklime Granular is a high calcium oxide product. Quicklime Granular is used in flue gas desulphurization, soil stabilization, water and wastewater treatment, steel, paper, chemical, and environmental applications.

Typical Chemical Properties

CaO – Available	95%
CaO - Total	98.2%
Carbon Dioxide (CO ₂)	0.5%
LOI	0.8%
Magnesium Oxide (MgO)	0.7%
Alumina (Al ₂ O ₃)	0.2%
Iron (Fe ₂ O ₃)	0.12%
Silica (SiO ₂)	0.7%
Sulfur (S)	0.05%
Phosphorus Oxide (P ₂ O ₅)	170 ppm
Manganese Oxide (MnO)	30 ppm

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.	28 °C
Reactivity 180 sec.	48 °C
Total Temperature Rise	51 °C
Total Reactivity Time	340 sec
Reactivity: 30 Mesh Residue	2.0%

Product Size Graduation

Top 3/8" – Bottom 0"

Available Certifications

- ✓ AWWA Standard: B202-19
- ✓ Meets AASHTO M216
- ✓ ASTM Standard: C977-18, C911-19, and C5-18



Certified to
NSF/ANSI/CAN 60

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