



Discovering what's possible with calcium

Quicklime

Ste Genevieve, MO

Calcium Oxide

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

Quicklime is a calcium oxide produced and sold in several sizes. Quicklime is used in flue gas desulphurization, soil stabilization, water and waste water treatment, steel, paper, chemical, and environmental applications.

TYPICAL CHEMICAL PROPERTIES	
CaO - Total	98.0%
CaO - Available	95.4%
CO ₂	0.6%
LOI	1.0%
MgO	0.8%
Al ₂ O ₃	0.17%
Fe ₂ O ₃	0.1%
SiO ₂	0.8%
Sulfur (S)	0.04%
P ₂ O ₅	200 ppm
MnO	35 ppm

TYPICAL PHYSICAL PROPERTIES	
Specific Gravity	3.3
pH	12.45
BET Surface Area	2.0 m ² /g
Apparent Dry Bulk Density - Loose	50 lbs./ft ³
Apparent Dry Bulk Density - Packed	60 lbs./ft ³
Reactivity 30 sec.	26°C
Reactivity 180 sec.	49°C
Total Temperature Rise	53°C
Total Reactivity Time	360 sec
Reactivity: 30 mesh residue	2%

- ✓ Meets the AWWA standard B202-19
- ✓ Certified to ASTM standards:
C977-18, C911-19, C5-18

PRODUCT SIZE GRADATION	
½"	Top 7/8" Bottom 3/8"
1"	Top 1 1/4" Bottom 7/8"
2" X 1"	Top 2 3/8" Bottom 7/8"
2"	Top 2 3/8" Bottom 1 1/4"



Certified to
NSF/ANSI/CAN 60



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