

# Flow Treat Pulverized Quicklime Calcium Oxide

## PRODUCT DESCRIPTION

Flow Treat Pulverized Quicklime is a milled quicklime that has been designed for excellent flow characteristics as well as consistent physical and chemical properties. The consistency of Flow Treat Pulverized Quicklime makes it ideal as a raw material for fiberglass and steel applications.

TYPICAL CHEMICAL PROPERTIES	
CaO - Total	98.0%
CaO - Available	95.7%
CO <sub>2</sub>	0.5%
LOI	0.9%
MgO	0.8%
Al <sub>2</sub> O <sub>3</sub>	0.2%
Fe <sub>2</sub> O <sub>3</sub>	0.12%
SiO <sub>2</sub>	0.9%
Crystalline Silica	<0.1%
Sulfur (S)	0.05%
P <sub>2</sub> O <sub>5</sub>	200 ppm
MnO	35 ppm

TYPICAL PHYSICAL PROPERTIES	
Specific Gravity	3.3
Median Particle Size	4 micron
pH	12.45
BET Surface Area	2.0 m <sup>2</sup> /g
Flowability (Flodex)	7 mm
Apparent Dry Bulk Density - Loose	38 lbs./ft <sup>3</sup>
Apparent Dry Bulk Density - Packed	70 lbs/ft <sup>3</sup>
+20 Mesh (840 μm)	0.0%
+60 Mesh(250 μm)	0.1%
-100 Mesh (150 μm)	99%
-140 Mesh (106 μm)	97%
-200 Mesh (75 μm)	90%
Reactivity* 30 sec.	30°C
Reactivity* 180 sec.	52°C
Total Temperature Rise*	54°C
Total Reactivity Time*	300 sec.

\*Reactivity ran on untreated calcium oxide.