



QUICK LİME TDS
VİŞNE MADENCİLİK ÜRETİM SANAYİ VE TİCARET A.Ş.

CHEMICAL NAME: CaO (CALCIUM OXIDE)

USAGE AREAS

Metal: Iron And Steel, Non-Ferrous Metals
Construction : Building Materials
Paper : Sulfate and Sulfite Process and PCC Production
Environment : In Waste Sludge Preparation
Chemistry: Carbide, Calcium Salts and Neutralization
Ceramic : Enamel, Porcelain in Production
Agriculture : On Agricultural Soil

Metal: Slag maker and sulfur, phosphorus, silica remover in Basic Oxygen and electric arc furnaces, As desulphur and phosphorus remover in ladle furnaces in secondary refining, As Desulfurizer in Basic Oxygen Steel Production, To protect basic refractory in BOF, EAO and Crucible furnaces, To remove Silica from Bauxite in Alumina Production (Bayer Process), Production of Low Carbon Ferrochrome as slag maker.

Construction: It is used in the production of gas concrete, in the production of insulation materials with diatomite or silica, In the production of Calcium Silicate bricks.

Paper : In the Regeneration of Sodium Hydroxide in the Sulfate Process, in the Production of Calcium Bisulfite in the Sulfite Process, in the Production of Precipitated Calcium Carbonate as a Filling and Coating Material.

Environment: It is used in the stabilization of the sludge from the Domestic Wastewater Treatment Plants and in the conversion of it into fertilizer, the stabilization of animal wastes and the stabilization of industrial wastes such as Sulphite / Sulphate Sludges, Petroleum Wastes.

Chemistry: Production of Nitrogen Fertilizer Cynamide (CaC₂) in the reaction of Coke and Lime with Carbide (CaC₂) and Carbide with Nitrogen, Calcium Phosphate (mono, di, tri), fluorite, bromide, ferrocyanide etc. as a result of the reaction of lime with organic or inorganic acids. It is used in the production of chemicals, as a neutralizer in the production of chromium chemicals, in the production of ethylene or propylene glycol, in the concentration of glucose and dextrin, as an adsorbent and desiccant in various chemical processes.

Ceramics: In Enamel Porcelain Production.

Agriculture: Adjusting pH to Agricultural Soil.

PHYSICAL AND CHEMICAL PROPERTIES

Parameter/Product	0-3 mm	3-15 mm	15-55 mm	Milled
% Active CaO	Min. 86	Min. 86	Min. 86	Min. 88
% Loss of Ignition	Max. 4	Max. 4	Max. 4	Max. 4
% MgO	Max. 2	Max. 2	Max. 2	Max. 2
% Total CaO+MgO	Min. 80	Min. 90	Min. 90	Min. 90
Packing	Bulk, Silo truck, BigBag	Bulk, Silo truck, BigBag	Bulk, Bigbag	Silo truck, Bigbag