



**MMS Hydrated Lime** (slaked lime), is a high quality calcium hydroxide product manufactured to a fine grain size which maximises the availability of [Ca(OH)2] for chemical processes.

Calcium Hydroxide [Ca(OH)2], also known as Hydrated Lime, is a fine, odourless white powder commercially produced by reacting Quicklime with sufficient water. It is used in many applications, including food preparation, water treatment, soil stabilisation and can be added to water to produce **Milk of Lime**.

#### Hydrated Lime for Government sector

It is vital to municipalities, it is used for potable water softening pH, removal of heavy metals and impurities from drinking water.

#### Hydrated Lime for Cattle Industry

Is used as a binder in cattle-feed products & as a Calcium supplement for animal feed products. Hydrated lime is a highly cost effective method for treating sewage sludge and animal waste from concentrated animal feeding operations.

#### Hydrated Lime for Civil sector

Hydrated Lime is used as soil stabiliser due to its properties to set-up an alkaline environment in presence of water. It reacts with pozzolans (materials containing reactive silica & alumina) present in the pavement material or subgrade and the hydrates complexes formed with chemical reaction dramatically reduce soil plasticity; increases its workability and improves its compaction characteristics.

#### POTENTIAL USAGE

- Acid Water Treatment
- Potable Water Softening
- Soil Stabilisation
- Acid Sulphate Soil Treatment

**Packaging options:** 25 kgs. sacks and 1000 kgs. Bulker Bags.

Physical Properties	Typical	Range
Bulk Density	450 kg/m <sup>3</sup>	400-600 kg/m <sup>3</sup>
Moisture Content	0.1%	1% max

PROPERTIES	METHOD	TYPICAL	RANGE
CaO Available	AS4489-1997	70%	68-72%
SiO <sub>2</sub>	XRF	0.07%	1.0% Max
Al <sub>2</sub> O <sub>3</sub>	XRF	0.20%	0.5% Max
Fe <sub>2</sub> O <sub>3</sub>	XRF	0.1%	0.2% Max
MgO	XRF	1.0%	1.5% Max
pH in slurry	AS4489-1997	12.4	12 Min.