

# Chipped magnesium hydroxide for environmental applications

## MagTreat® 2000

### Description

Chipped magnesium hydroxide. Produced from selectively mined natural magnesium hydroxide by crushing and classifying.

### Application

The product is used as filtration media for acid neutralization in filters, wastewater treatment, heavy metals precipitation, reduction of COD and phosphates.

	Parameter	Specification	Typical
<b>Properties</b>	MgO/Mg(OH) <sub>2</sub> , %, min.	60.0/87.0	62.0/89.9
	CaO, %, max.	4.0	3.0
	SiO <sub>2</sub> , %, max.	4.0	3.0
	Fe <sub>2</sub> O <sub>3</sub> , %, max.	0.5	0.3
	Bulk density, kg/m <sup>3</sup> , min.	1100	1200
	Humidity, %, max.	1.0	0.5
	Particles size, mm	0.5-2.0	
	Particles >2 mm, % max.	10	
	Particles <0.5 mm, % max.	10	
<b>Equivalents on 100% dry solids basis</b>	Na <sub>2</sub> CO <sub>3</sub> (soda ash)		= 1.0 mt equivalent to 0.55 mt Mg(OH) <sub>2</sub>
	NaOH (caustic soda)		= 1.0 mt equivalent to 0.73 mt Mg(OH) <sub>2</sub>
	Ca(OH) <sub>2</sub> (hydrated lime)		= 1.0 mt equivalent to 0.79 mt Mg(OH) <sub>2</sub>

### Storage

The shelf life is 5 years from date of manufacturing, while maintaining the tightness of packing.

### Packing

Polypropylene bags, big bags.

### Safety

Refers to low-hazard substances; fire- and explosion-proof, non-toxic.

### Transportation

Transported by all modes of transport in accordance with the rules of transportation of goods that operate in this mode of transport.