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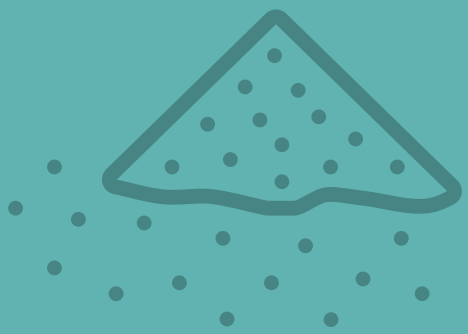


LIME

LiME (CL-80-S)

Hydrated Calcium Lime

FIELD OF APPLICATION

For Environmental Protection
- For treatment of drinking and utility water
- For treatment of waste water
- For neutralization of acids

In Chemical and Pharmaceutical Industry
- Oil and petroleum additivesa
- Production of calcium carbide
- Production of resin
- Production of plastic
- Sugar refinery

For Production of Construction Materials
- Construction adhesives
- Insulation materials
- Aerated concrete
- Plasterboard
- Aluminous cement
- Refractory materials
- Mortars and Plasters

In Industrial Processes
- Paint industry
- Rubber industry

USAGE INSTRUCTIONS

Recommendation for Preparation of Rough Plaster:
- It is prepared by mixing 7 bags of Entegre Lime with 200 l of water and 1 m3 sand.

Recommendation for Preparation of Fine Plaster:
- 7 bags of Entegre Lime are mixed with 150 l of water and 1 m^3 sand.
- 2 hours later, 3-4 bags of cement and 100 l of water are added.

TECHNICAL DATA

Analyses	TS EN 459-1 Standard Values
CaO+MgO (%)	Min 80
MgO (%)	Max 5
CO_2 (%)	Max 7
SO_3 (%)	Max 2
Free Water (%)	Max 2
Air Content (%)	Max 12
Penetration (mm)	10 < x < 50
Dry Litre Density (g/l)	Max 600
Sieve Analysis, Remnant (%) 200 µm	Max 2
Sieve Analysis, Remnant (%) 90 µm	Max 7
Constancy of Volume (mm)	Max 20
Loss on Ignition (%)	Max 28
Free Lime ($Ca(OH)_2$) (%)	Min 65

CERTIFICATE OF CONFORMITY

TS EN 459-1 / October 2015

PACKAGING

25 kg paper bag

LiME (CL-90-S)

Hydrated Calcium Lime

USAGE INSTRUCTIONS

Recommendation for Preparation of Limewash:

- It is prepared by adding 75 l of water to 1 bag of lime.

TECHNICAL DATA

Analyses	TS EN 459-1 Standard Values
CaO+MgO (%)	Min 90
MgO (%)	Max 5
CO_2 (%)	Max 4
SO_3 (%)	Max 2
Free Water (%)	Max 2
Air Content (%)	Max 12
Penetration (mm)	10 < x < 50
Dry Litre Density (g/l)	Max 460
Sieve Analysis, Remnant (%) 200 µm	Max 0,1
Sieve Analysis, Remnant (%) 90 µm	Max 7
Constancy of Volume (mm)	Max 20
Loss on Ignition (%)	Max 28
Free Lime ($Ca(OH)_2$) (%)	Min 80

CERTIFICATE OF CONFORMITY

TS EN 459-1 / October 2015

PACKAGING

25 kg paper bag

FIELD OF APPLICATION

For Environmental Protection

- For treatment of drinking and utility water
- For treatment of waste water
- For neutralization of acids

In Chemical and Pharmaceutical Industry

- Oil and petroleum additivesa
- Production of calcium carbide
- Production of resin
- Production of plastic
- Sugar refinery

For Production of Construction Materials

- Construction adhesives
- Insulation materials
- Aerated concrete
- Plasterboard
- Aluminous cement
- Refractory materials
- Mortars and Plasters

In Industrial Processes

- Paint industry
- Rubber industry

LiME (CL-80-Q)

Quick Calcium Lime

TECHNICAL DATA

Analyses	TS EN 459-1 Standard Values
CaO+MgO (%)	Min 80
MgO (%)	Max 5
CO_2 (%)	Max 7
SO_3 (%)	Max 2
A.CaO	Min 80
Efficiency, l/kg	Min 2,6
Constancy of Volume (mm)	Max 20
Reactivity (R_5) (t_{60}) minute	Max 10
Free Lime (CaO) (%)	Min 65

CERTIFICATE OF CONFORMITY

TS EN 459-1 / October 2015

FIELD OF APPLICATION

For Environmental Protection
- For treatment of waste water
- For desulphurisation of flue gases
- For neutralization of acids

Chemical Industry
- Production of plastic
- In filling and coating material production
- In obtaining various compounds

In Industrial Processes
- Metallurgy
- Paper industry
- Building chemicals production
- Iron - Steel industry
- Glass production

AGGRICULTURAL LIME

USAGE INSTRUCTIONS

- Agricultural lime is used only in agriculture for removing the acidity of the soil and increasing yield.
- Before using the agricultural lime, the pH value of the soil shall be measured and it shall be used with the amount recommended by the authorities according to the results of the tests.
- Agricultural lime may be used in any period other than harvest, but it is recommended to be used 1 month before the planting time.

TECHNICAL DATA

Calcium Carbonate ($CaCO_3$)	Min 90
Humidity Ratio	Max 1
250 µm Sieve Remnant	0
pH Value	Min 8

CERTIFICATE OF CONFORMITY

PACKAGING

25 kg paper bag

FIELD OF APPLICATION

In Agriculture

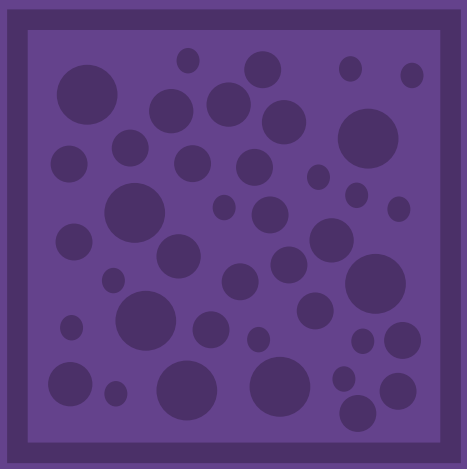
- For setting the pH of the soi
- In animal feeds
- Insecticides and fungicides


ENTEGRE

INDEX

Aggregate has a wide range of uses, but it is a material especially used in the construction industry. Aggregates are natural granular materials used with cement types to create mortar or concrete.

In concrete production, cement paste covers the surfaces of aggregate particles, fills the gaps between them and connects the particles together.



AGGREGATE

CRUSHED STONE SAND

FIELD OF APPLICATION

Concrete and asphalt aggregate, manufacture of construction chemicals, cushioning filling of underground floor pipes.

Technical Data

Particle Size (mm)	0-5
Particle Size Distribution	G_F85
Particle Density (mg/m^3)	2,5 - 2,9
Water Absorption (%)	0-2
Quality of Very Fine Material (MB)	0 - 1 MB
Very Fine Material Content Category	f_{10}
Alkali Silica Reactivity	< 0,10 %
Chloride Content (%)	< 0,006
Acid Soluble Sulfates (AS_x)	$AS_{0,2}$
Total Sulfur	< 1 %
Volume Stability (< %0,075)	ACCEPTED

Chemical Properties

Calcium Carbonate ($CaCO_3$)	Min 65
Magnesium Carbonate ($MgCO_3$)	Max 25
Silicon Dioxide (SiO_2)	Max 8

CERTIFICATE OF CONFORMITY

EN 12620:2002+A1:2008

No.1 AGGREGATE

FIELD OF APPLICATION

Concrete and asphalt aggregate, cushioning filling of underground floor pipes

Technical Data

Particle Size (mm)	5-12
Particle Size Distribution	$G_c80/20$
Flatness Index (FI)	FI_{15}
Shape Index	SI_{20}
Particle Density (mg/m^3)	2,5 - 2,9
Water Absorption (%)	0-2
Very Fine Material Content Category	$f_{1,5}$
Resistance to Fragmentation (LA_x)	LA_{25}
Chloride Content (%)	< 0,006
Acid Soluble Sulfates (AS_x)	$AS_{0,2}$
Total Sulfur	< 1 %
Volume Stability (< %0,075)	ACCEPTED
Resistance to Freeze-Thaw (MS)	MS_{18}

Chemical Properties

Calcium Carbonate ($CaCO_3$)	Min 65
Magnesium Carbonate ($MgCO_3$)	Max 25
Silicon Dioxide (SiO_2)	Max 8

CERTIFICATE OF CONFORMITY

EN 12620:2002+A1:2008

No.2 AGGREGATE

FIELD OF APPLICATION

Concrete and asphalt aggregate

Technical Data

Particle Size (mm)	12-23
Particle Size Distribution	G_C 85/20
Flatness Index (FI)	FI_{15}
Shape Index	SI_{20}
Particle Density (mg/m³)	2,5 - 2,9
Water Absorption (%)	0-2
Very Fine Material Content Category	$f_{1,5}$
Resistance to Fragmentation (LA_x)	LA_{25}
Chloride Content (%)	< 0,006
Acid Soluble Sulfates (AS_x)	$AS_{0,2}$
Total Sulfur	< 1 %
Volume Stability (< %0,075)	ACCEPTED
Resistance to Freeze-Thaw (MS)	MS_{18}

Chemical Properties

Calcium Carbonate ($CaCO_3$)	Min 65
Magnesium Carbonate ($MgCO_3$)	Max 25
Silicon Dioxide (SiO_2)	Max 8

CERTIFICATE OF CONFORMITY

EN 12620:2002+A1:2008

FILLER

FIELD OF APPLICATION

Highway, ready-mixed concrete, asphalt construction and construction chemicals production

Technical Data

$CaCO_3$, (%)		Min 85
$MgCO_3$, (%)		Max 15
Moisture, (%)		Max 1
Sieve Analysis (remaining), (%)	200 µ	1 (±1)
	100 µ	2 (±2)
	80 µ	4 (±3)
	40 µ	Max 30