



# DOVA GYPSUM 100





## PRODUCT DESCRIPTION

Agricultural Gypsum is used in a variety of applications including as a carrier for horticultural dressings, as a mushroom composting ingredient, as a soil improver and in land reclamation after saltwater flooding.

## PRODUCT BENEFITS

- Improves soil reclamation.
- Removes salt crust from soil.
- Improve soil quality.
- Balances soil pH.
- Increases crop production.
- Non-toxic
- Easy to handle natural material.
- Environment friendly.

## APPLICATIONS

Agricultura



ISO 9001:2015  
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QUALITY MANAGEMENT SYSTEM  
970424A



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MANAGEMENT SYSTEM  
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Component	Guaranteed Minimum (%)
Calcium (Ca)	20–23%
Sulfur (S)	15–18%
Calcium Sulfate Dihydrate (CaSO <sub>4</sub> ·2H <sub>2</sub> O)	≥90%
pH (in water)	6.5–8.0
Moisture Content	≤10%

### Chemical & Physical Properties

Property	Description
Chemical Name	Calcium Sulfate Dihydrate
Chemical Formula	CaSO <sub>4</sub> · 2H <sub>2</sub> O
Molar Mass	172.17 g/mol
Appearance	White to off-white granules or powder
Solubility in Water	Slightly soluble (~2 g/L at 20°C)
pH (10% Solution)	Neutral to slightly alkaline (6.5–8.0)
Bulk Density	~0.8–1.0 g/cm <sup>3</sup> (varies with particle size)
Particle Size	Typically 4–8 mesh (granular form)
Odor	Odorless
CAS Number	10034-76-1
EINECS Number	231-900-3

### Application Rates (General Guidelines):

Soil Type / Purpose	Recommended Rate (tons/acre)
Sodic soil reclamation	1–5 tons/acre
Nutrient supplementation	0.5–1 ton/acre
Horticulture & high-value crops	0.25–1 ton/acre
Turf & lawn care	50–100 lbs/1000 sq ft

### Summary Table

Parameter	Value / Description
Main Constituent	Calcium Sulfate Dihydrate
Calcium (Ca)	20–23%
Sulfur (S)	15–18%
pH	6.5–8.0
Solubility	Low (slightly soluble in water)
Form	Granules or Powder
Application Method	Broadcast, incorporated into soil
Target Soils	Clay, sodic, acidic subsoils
Crop Compatibility	Wide range including corn, soybeans, fruits
Environmental Impact	Eco-friendly, reduces nutrient runoff

## INSTRUCTIONS FOR USE

**Application Guide for Clay Soils:** For heavy clay soils, an application rate of approximately 500g per square meter is required which can be applied by hand or by lime spreader. For best results, the gypsum should be well mixed with the top 5 cm of soil, which should give an improved soil structure helping aeration and drainage and also improving plant growth.

Calculated minimum content of nutrients (% by weight):

Containing Sulphur Trioxide (SO<sub>3</sub>): >35% - (Elemental Sulphur (S)> 14%)

Containing Calcium Oxide (CaO): >25% - (Elemental Calcium (Ca) >17%)

## PACKAGING AND SHELF LIFE

	Packaging Available	Shelf Life (Month)
PP. bag / paper bag	25 kg / 50 Kg	24
Bulk Bag	1 Ton	24

When stored under dry conditions and in its original packaging, the product will have a specified shelf life that commences from the date of manufacture that is displayed on each sack. Shelf life depends on the packaging type. For those products where a defined 'best before' date is applicable, Best Before End followed by the date will be displayed on each sack.

## STORAGE

Plaster based products are not recommended for conditions where they are likely to be located externally or in any way subjected to weathering or excessive dampness.

Absorption of moisture can result in changes to physical properties, including a reduction in the set strength of plasters and also a lengthening of setting time.

Gypsum minerals can be affected by absorption of moisture and may change physical properties.

To help protect the product during use, open or part used bags should be carefully folded and closed. Each bag is date stamped and stocks should be rotated so that the oldest material is used first.



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