

AGRICULTURAL GYPSUM

Food, Agriculture and Environment



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 salt water flooding.

PRODUCT BENEFITS

- + Naturally occurring Gypsum
- + High in Calcium Oxide to aid nutrient absorption
- + High in Sulphur Trioxide for protein production

APPLICATIONS

Agriculture

TECHNICAL INFORMATION

Chemical Properties	
Chemical Name	Calcium Sulphate Dihydrate
Minimum gypsum purity %	85
Water of crystallization %	20
Moisture Content %	0% at manufacture
Solubility of gypsum in water g / litre	2.1
pH	7
Chemical Composition	CaSO ₄ .2H ₂ O
Physical Properties	
Colour	Off-white
Mean particle diameter (microns)	30
Sieve Analysis (Mesh size & % weight retained)	20% at 150 µm
Specific gravity of gypsum	2.32
Apparent Density (g/cm ³)	1
Bulk density (loose) (kg / m ³)	1000
Bulk density (compacted) (kg/m ³)	1300
Gypsum Hardness (MOH scale)	2

The technical data outlined represents typical figures only. For further details, please contact Saint-Gobain Formula directly.

INSTRUCTIONS FOR USE

Application Guide for Clay Soils: For heavy clay soils, an application rate of approximately 500g per square metre 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 (SO₃): >35% - (Elemental Sulphur (S))> 14%)

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

PACKAGING AND SHELF LIFE

	Packaging Available	Shelf Life (Month)
Bag	25 kg	24
Bulk Bag	1 T	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, BBE (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.

CERTIFICATION

Agricultural Gypsum is manufactured in compliance with The Fertilisers Regulations 1991 and The Fertilisers Regulations (Northern Ireland) 1992

ENVIRONMENT, HEALTH AND SAFETY

Material Safety Data Sheets of Saint-Gobain Formula plasters and gypsum minerals are available for all products and may be obtained directly on our website in the [product](#) and [documentation](#) sections. No liability is accepted by Saint-Gobain Formula for injury to any person or loss or damage to property by improper use of the product.

NOTIFICATION

The plaster to water ratios quoted are those used in Saint-Gobain Formula’s standard test methods and are not necessarily those used in practice. The precise consistency to use will need to be adjusted to suit the individual application. Changes to plaster to water ratio will influence product performance, particularly setting time and strength. Unless otherwise stated, Saint-Gobain Formula’s standard test methods apply. To obtain a copy of the test method, please contact Saint-Gobain Formula directly. This literature cancels and replaces any previous document. All information given is provided in good faith and may be subject to change. It’s advisable to contact Saint-Gobain Formula in case of any doubt arising from the content of such information.

CONTACT

For any information, please visit our website
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