

# GROUND GYPSUM SUPERFINE WHITE

Construction Materials, Food, Agriculture and Environment



## PRODUCT DESCRIPTION

Ground Gypsum Superfine White is an extremely high purity, micronised gypsum grade, obtained from naturally occurring mineral.

This product is used as a food additive (E516) or food processing aid.

It is used as an additive for acceleration of setting time or as a filler in, for example, tile adhesive, crack filler formulations and polymers.

## PRODUCT BENEFITS

- + Very High Purity Natural Gypsum
- + Food additive (E516)
- + Fine Particle Size
- + Halal & Kosher certified

## APPLICATIONS

Wall, Food and beverage

## TECHNICAL INFORMATION

Chemical Properties	
Chemical Name	Calcium Sulphate Dihydrate
Minimum gypsum purity %	99
Water of crystallization %	23
Moisture Content %	0% at manufacture
Solubility of gypsum in water g / litre	2.1
pH	7
Chemical Composition	CaSO <sub>4</sub> .2H <sub>2</sub> O
Physical Properties	
Colour	White
Colorometer L* value	93
Colorometer a* value	0.25
Colorometer b* value	3
Mean particle diameter (microns)	20
Sieve Analysis (Mesh size and % weight retained)	2.5% at 150 µm 15% at 75 µm
Specific gravity of gypsum	2.32
Apparent Density (g/cm <sup>3</sup> )	0.9
Bulk density (loose) kg / m <sup>3</sup>	900
Compacted bulk density (kg/m <sup>3</sup> )	1200
Gypsum Hardness (MOH scale)	2
Oil Absorption ml / g	33

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

## INSTRUCTIONS FOR USE

This product is manufactured from a naturally occurring mineral and therefore variations in colour and non-gypsum content are to be expected.

### Disclosure Statement

**The Product is not processed to control microbial pathogens, including Salmonella.**

The grinding and packaging of this product does not include a validated kill step for microbial pathogens.

Since Saint-Gobain Formula does not process this product to control microbial pathogens you should ensure that you will minimise or prevent this hazard in connection with your further manufacturing of the product into food products that you produce.

### Physical Hazards:

+ HACCP - 25Kg paper sacks

+ Non-Metallic: 1.0mm screen after grinding

+ Metallic: Tunnel metal detection - calibrated to 2.5mm Fe, 3.00mm Stainless steel, 3.0mm non-ferrous

Application Performance: Since the conditions under which Ground Gypsum Superfine White is used are varied and beyond our control, performance is not guaranteed for any particular application.

## PACKAGING AND SHELF LIFE

	Packaging Available	Shelf Life (Month)
Bag	25 kg	24
Bulk Bag	1 T	24
Bulk Tanker	< 30 T	Technical properties noted are at receipt of goods

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

**Ground Gypsum Superfine White conforms to the specification for E516 Calcium Sulphate Dihydrate, as detailed below, in accordance with Commission Regulation (EU) No 231/2012 laying down specifications for food additives listed in Annexe II and III to Regulation (EC) No 1333/2008**

- + Chemical name: Calcium Sulphate
- + EC Additive Number: E516
- + EINECS: 231-900-3
- + Assay: Minimum 99.0%
- + Loss on drying: Maximum 23%
- + Fluoride: 30 mg/Kg max
- + Selenium: 30 mg/Kg max
- + Arsenic: 3 mg/Kg max
- + Lead: 2 mg/Kg max
- + Mercury: 1 mg/Kg max

## 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  
[www.saintgobainformula.com](http://www.saintgobainformula.com)*



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