

GROUND GYPSUM FG200

Food Additive & Processing Aid

Ground Gypsum FG200 is an extremely high purity, micronised gypsum grade, obtained from naturally occurring mineral.

This product designed to be used as a food additive (E516) or food processing aid. It can also be used as an additive or filler in proprietary formulations.



TECHNICAL PROPERTIES*



Chemical name	Calcium Sulphate Dihydrate
Chemical composition	CaSO ₄ ·2H ₂ O
Minimum gypsum purity (%)	99
Sieve analysis (% weight retained & mesh size)	0.15 at 150 µm 1.5 at 75 µm
Mean particle diameter (microns)	15
Colour	White
Colorimeter (L* value)	93
Colorimeter (a* value)	0.25
Colorimeter (b* value)	3
Moisture content (%)	0 at manufacture
pH	7
Specific gravity of gypsum	2.32
Apparent density (g/cm ³)	0.75
Bulk density (loose) (kg/m ³)	750
Bulk density (compacted) (kg/m ³)	1150
Water of crystallisation (%)	20.9
Solubility of gypsum in water (g/L)	2.1
Mohs hardness	2
Oil absorption (mL/g)	33

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

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.

PRODUCT BENEFITS

- ✓
Very high purity natural gypsum
- ✓
Food additive (E516)
- ✓
Very fine particle size
- ✓
Halal & Kosher certified

PHYSICAL HAZARDS



- + HACCP - 25 kg paper sacks
- + Non-Metallic: 1.0 mm screen after grinding
- + Metallic: Tunnel metal detection - calibrated to 2.5 mm Fe, 3.00 mm Stainless steel, 3.0 mm non-ferrous

Application Performance: Since the conditions under which Ground Gypsum FG200 is used are varied and beyond our control, performance is not guaranteed for any particular application.

KEY INFORMATION



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

CERTIFICATION



Ground Gypsum FG200 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 Annex II and III to Regulation (EC) No 1333/2008

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

PACKAGING AND SHELF LIFE*



Packaging Type	Packaging Available	Shelf Life (Months)
Sack	25 kg	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



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.

DISCLAIMER



This product has been designed for the intended use outlined in this product datasheet. All information herein cancels and replaces any previous document and is provided for sole indicative purpose and is based on Saint-Gobain Formula's knowledge and experience on the date of issuance of this datasheet. Saint-Gobain Formula reserves the right to amend or modify this datasheet. To make sure you are up to date with the latest changes that may have occurred, visit frequently our website. It is advisable to contact Saint-Gobain Formula in case of any doubt arising from the content of such information. Unless otherwise stated, Saint-Gobain Formula's test methods apply. To obtain a copy of the test method, please contact Saint-Gobain Formula directly.

Saint-Gobain Formula shall not be liable for damages or losses of any kind due to an improper use of the product. This datasheet shall not be construed as a substitute for a professional advice before product's use or installation. It is the user's responsibility to use, or install, the products in strict compliance with the applicable norms, standards and professional uses in force on the date of use, or installation.



For any information, please visit our website
www.saintgobainformula.com