

Ground Gypsum Superfine White

Product Description

Ground Gypsum Superfine White is a white powder produced from the processing of high purity gypsum mineral ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ - Calcium Sulphate Dihydrate). This product is manufactured from a naturally occurring mineral and therefore variations in colour and non-gypsum content are to be expected.

Applications

For use in food

Other applications include:

- As a filler in tile adhesive and crack filler formulations
- As a filler in polymers and other compounds
- As an extender in paints
- As a carrier for insecticides and for use in fertilizers
- In the formulation of oilwell drilling muds
- As a formulant in fire retardant loft insulation and sacrificial anodes
- As an absorbent

Technical Data

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

Chemical name	Calcium Sulphate
EEC 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

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

Colour – Colorimeter measurement

L*	92.50
a*	0.25
b*	3.00

Screen analysis Sieve Aperture	% weight retained
+300 microns	0.2% max
+150 microns	1.0%
-150 +75 microns	12%
-75 microns	86%

Solubility in water at 20°C	2.1g /litre
Oil Absorption	33ml / 100g
Hardness (MOH's scale)	2
Bulk density, loose	825 kg/m ³
compacted	1200 kg/m ³
Specific Gravity	2.32

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Limitations

Microbiological Activity

Ground Gypsum Superfine White is a dry powder inorganic mineral and is not known to support natural microbiological activity. Testing is not performed.

Appropriate precautions should be taken when the product is employed in the manufacture of food.

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.

Storage

When stored under normal dry conditions, this product will not deteriorate chemically however; it is susceptible to compaction lumps.

Each bag is stamped with a best before date and a batch reference. Stocks should be rotated so that the oldest material is used first.

For further technical information or advice on any matter relating to a SG Formula product, please contact Formula directly

Supply Details

Unless otherwise stated, SG Formula industrial plasters and gypsum minerals are available in 25Kg, 35Kg, 40Kg or 50Kg paper sacks depending upon manufacturing location. Other pack options such as IBC (bulk bags) and bulk product in road tanker may also be available. The company contracts solely upon its conditions of sale, copies of which are available on request. Advice as to merchant outlets for industrial products may be obtained by contacting local sales offices.

Health and Safety

Health and Safety information sheets are available for all products and may be obtained on request.

No liability is accepted for injury to any person or loss or damage to property by improper use of the product. Information may be subject to change.

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