



GYPSUM BRIGHT WHITE

Calcium Sulphate Dihydrate

9/2024

1/ PRODUCT DESCRIPTION

Gypsum Bright White is a natural uncalcined high purity gypsum used as a filler and for agriculture application. This product is used as an additive or filler in plaster and cement base building materials, adhesives and self-levelling compounds. It can be used as a setting accelerator for dental and other plaster formulations. **Gypsum Bright White** is also used as processing aids in food, beverage production and for mushroom composting.

2/ PRODUCT BENEFITS

- Natural and very high purity gypsum
- Silicate free

3/ TECHNICAL INFORMATION

Chemical Name	Calcium Sulphate Dihydrate
Chemical composition	CaSO ₄ 2H ₂ O
Water of crystallization %	16
Moisture Content %	< 0.5%
Solubility of gypsum in water g / litre	2.1
pH	6 - 8

* Chemical analysis

CaO	± 34%	Al ₂ O ₃	± 0.04%
SO ₃	± 47%	Fe ₂ O ₃	± 0.06%
CO ₂	± 1%	Na ₂ O ₃	< 0.04%
MgO	± 0.4%		

* Physical properties

Colour	off-white
Sieve analysis (Mesh size and % weight retained)	< 2.0% at 90µm
Bulk density (loose) kg / m ³	900
Bulk density (compacted) kg / m ³	1000
Gypsum Hardness (MOH scale)	2

The technical data outlined represents typical figures only. For further details, please contact us.

4/ INSTRUCTIONS FOR USE

Gypsum Bright White is characterised by its good mixing and pigmentation properties, giving excellent coverage. It is chemically resistant to paints and oils, mineral-based paints and oxide paints and epoxy resins. It has good drying properties and is silicate-free.

5/ PACKING AND SHELF LIFE

	Packaging available	Shelf life (months)
Bulk bag	1 T	6
Bulk tanker	25 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.



**PRODUCT INFO
& DATASHEET**

6/ 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.

7/ ENVIRONMENT, HEALTH AND SAFETY

See Material Safety Datasheet. No liability is accepted 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 our 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, only our standard test methods apply. To obtain a copy of the test method, please contact us.

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 us in case of any doubt arising from the content of such information.