

# Product Information

## Calcium Sulfate Hemihydrate (Alpha)

### Product Description:

Calcium sulfate hemihydrate (alpha) also known as plaster of Paris is an odourless and white solid with fine particle size. Produced by calcining naturally occurring gypsum.

### Applications:

Calcium sulfate hemihydrate (alpha) is used to produce high strength, quick setting plasters for creating smooth surfaces and ornamental designs on ceilings, walls and floors. It can be used in fire-proofing material and in the production of moulds for ceramics and roof tiles. It can be used as an accelerator in oil & gas well cementing.

### Chemical Formula:

$(\text{CaSO}_4)_2 \cdot \text{H}_2\text{O}$

### CAS No. :

26499-65-0

### Specifications:

Parameters (units)	Specifications
Appearance	White powder
Colorimeter values - L, a, b	92, 0.3, 3.5
Initial setting time (mins)	5
Final setting time (mins)	7
Linear expansion (%)	0.45
Brinell hardness (MPa)	190
Dry compressive strength (MPa)	52
Wet compressive strength (MPa)	25
Particle size (% weight retained through 63 µm)	0.0
Particle size (% weight retained through 32 µm)	15
Loose bulk density (kg/m <sup>3</sup> )	1100
Compacted bulk density (kg/m <sup>3</sup> )	1500

\*All the above values are approximate.

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## Packaging:

Material is available in 25 kg bags, 1 MT bulk bags, 1.4 MT bulk bags and 30 MT bulk tanker. Further packaging options may be available upon enquiry.

## Storage:

Product should be stored in a dry place away from direct sunlight in sealed, original packaging.

## Safety:

For further safety information refer to product SDS available from your Bisley International contact.

Disclaimer: This document is for information purposes only. Customers are responsible for testing and confirming the suitability of this product in their application. To the extent permitted by law, no warranty as to merchantability or fitness of purpose, expressed or implied, is made.

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