



PRODUCT DATA SHEET

FINE CASTING PLASTER

Product Description

Fine Casting Plaster is an unformulated hemihydrate plaster produced from naturally occurring high purity gypsum mineral. It is off-white in colour. It is used for the production of decorative fibrous plasterwork and in general casting applications. It can also be used as a filler or additive within proprietary formulations.

Product Benefits

- Typical set time and working properties suitable for production of fibrous plasterwork
- Good reproduction of fine detail
- Unformulated high purity plaster also suitable for use within proprietary formulations

Application

- Fibrous plaster
- Floor
- Wall

Packaging and Shelf Life

	PACKAGING AVAILABLE	SHELF LIFE MONTH
Bag	25kg	3

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.

Technical Information

PLASTER TO WATER RATIO	
Plaster to water ratio (by weight)	1.43:1
Water to plaster ratio (by weight)	70%
Plaster to water mix ratio (by weight)	100/70
CHEMICAL PROPERTIES	
Chemical Name	Calcium sulphate hemihydrate
Chemical Composition	CaSO ₄ .1/2H ₂ O
Colour	off-white
Colorometer L* value	92
Colorometer a* value	0.5
Colorometer b* value	3
SETTING PARAMETERS	
Initial setting time (minutes)	21
Final setting time (minutes)	28
Linear expansion (%)	0.2
MECHANICAL PROPERTIES	
Brinell hardness (Mpa)	20
Dry compressive strength (Mpa)	13
Wet compressive strength (Mpa)	5
PHYSICAL PROPERTIES	
Particle size (% weight retained)	1% at 150 µm 8% at 90 µm 15% at 63 µm 30% at 32 µm

Certification



DoP n° NK001

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