

FINE CASTING PLUS

Arts & Decoration

PRODUCT DESCRIPTION

Fine Casting Plus is a formulated hemihydrate plaster ($\text{CaSO}_4 \cdot 1/2\text{H}_2\text{O}$) produced from naturally occurring high purity gypsum mineral. It is off-white in colour. It is used for the production of decorative fibrous plasterwork, in film set construction and in general casting applications.

PRODUCT BENEFIT

- + Working properties are perfectly suited for decorative plasterwork production.
- + Excellent batch to batch consistency.
- + Increased strength and surface hardness compared to Fine Casting Plaster
- + Good reproduction of fine detail
- + Shelf life of 9 months



APPLICATIONS

Interior Design, Artistic

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	$\text{CaSO}_4 \cdot 1/2\text{H}_2\text{O}$
Colour	white
Setting Parameters	
Initial setting time (minutes)	20
Final setting time (minutes)	25
Linear Expansion (%)	0,2
Mechanical Properties	
Brinell Hardness (MPa)	22
Dry compressive strength (Mpa)	16
Wet Compressive strength (Mpa)	7
Physical Properties	
Particle Size (% weight retained)	2% at 90 μm 5% at 63 μm 25% at 32 μm
Loose bulk density (kg/m ³)	700
Bulk density (compacted) kg / m ³	1100

INSTRUCTION FOR USE

Please use with the recommended plaster water ratio, with a mixing time of approx. 2 to 4 minutes.

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.

PACKAGING AND SHELF LIFE

	Packaging Available	Shelf Life (month)
Bag	25 kg	9

When stored under dry conditions and in its original packaging, the product will have a shelf life from the date of manufacture that is displayed on each sack. Shelflife depends on the packaging type.

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.

CERTIFICATION



DOP n° NKKO01

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.

NOTIFICATION

The plaster to water ratios quoted are those used in Saint-Gobain Formula's 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, Saint-Gobain Formula's standard test methods apply. To obtain a copy of the test method, please contact Saint-Gobain Formula directly.

This booklet cancels and replaces any previous document. All information given is composed on good faith and may be subject to change.

It's advisable to contact Saint-Gobain Formula in case of any doubt arising from the content of such this booklet or its validity.

CONTACT

For any information, please visit our website

www.saintgobainformula.com



SALES CONTACT



DOCUMENTATION



TECHNICAL
INFORMATION



GLOBAL
INFORMATION