KERAMICAST

Arts & Decoration

PRODUCT DESCRIPTION

Keramicast is a formulated hemihydrate plaster (CaSO4.1/2H2O) produced from naturally occurring high purity gypsum mineral
It is off-white in colour
It is used for the production of firbous plasterwork and GRG. It is also traditionally used in ceramics for the production of wroking moulds for both jiggering and slip casting

PRODUCT BENEFIT

+ Working properties suitable for both casting of decorative plasterwork and the production of working moulds for ceramics
+ produces good strength fibrous plasterwork pieces
+ good reproduction of fine detail

OTHER MARKETS

Ceramics

APPLICATIONS

Interior Design, Tableware

TECHNICAL INFORMATION

Plaster to Water Ratio	
Plaster to Water Ratio (by weight)	1.79:1
Water to plaster ratio (by weight)	56%
Plaster to water mix ratio (by weight)	100/56
Chemical Properties	
Chemical Name	Calcium sulphate hemihydrate
Chemical Composition	$CaSO_4.1/2H_2O$
Colour	white
Setting Parameters	
Vicat Ring Fluidity (cm)	19
Initial setting time (minutes)	8
Final setting time (minutes)	12
Linear Expansion (%)	0,28
Mechanical Properties	
Brinell Hardness (MPa)	60
Dry compressive strength (Mpa)	22
Pore Volume (%)	30%
Physical Properties	
Particle Size (% weight retained)	3.5% at 150 µm 13% at 90 µm 23% at 63 µm 40% at 32 µm
Loose bulk density (kg/m³)	960
Bulk density (compacted) kg / m³	1360

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

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	6

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. Shelflife 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.

CERTIFICATION

CE DOP n° NKOO1

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 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 Saint-Gobain Formula in case of any doubt arising from the content of such information.

CONTACT

For any information, please visit our website

www.saintgobainformula.com

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