

SUPRADURO 60

Ceramics

PRODUCT DESCRIPTION

Supraduro 60 is a high strength formulated plaster designed for working moulds for jiggering technology in tableware ceramic industry. It shows very good workability in the casting moulds process and good balance between mechanical strength and permeability.

PRODUCT BENEFITS

- + Very good workability in the casting moulds process
- + Good balance between permeability and mechanical strength
- + Designed for jiggering

APPLICATIONS

Tableware

TECHNICAL INFORMATION

Chemical name	Calcium sulphate hemihydrate
Chemical composition	CaSO ₄ ·½H ₂ O
Plaster to water ratio (by weight)	1,66:1
Water to plaster ratio (by weight)	60%
Plaster to water mix ratio (by weight)	100/60
Sieve analysis (mesh size & % weight retained)	0,04% at 200µm
Colour	Off-White
Vicat ring fluidity (cm)	20 - 25
Initial setting time (minutes)	09 - 15
Apparent density (kg/m ³)	900

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

KEY INFORMATION

The recommended plaster to water ratio is between 1,61:1 and 1,72:1, with a mixing time of approx. 2 to 4 minutes, depending on batch size and plaster shop process. Water and Plaster must be measured carefully to ensure constant performances. The precise consistency to use will need to be adjusted to suit the individual application. Changes to plaster to water ratio will influence the product performance, particularly the setting time, mechanical strength and permeability in ceramics.

PACKAGING AND SHELF LIFE

	Packaging Available	Shelf Life (Month)
Sack	40 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. 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.

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.

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.

DISCLAIMER

This product has been designed for the intended use outlined in this product datasheet. All information herein cancels and replaces any previous document and is provided for sole indicative purpose and is based on Saint-Gobain Formula's knowledge and experience on the date of issuance of this datasheet. Saint-Gobain Formula reserves the right to amend or modify this datasheet. To make sure you are up to date with the latest changes that may have occurred, visit frequently our website. It is advisable to contact Saint-Gobain Formula in case of any doubt arising from the content of such information. Unless otherwise stated, Saint-Gobain Formula's test methods apply. To obtain a copy of the test method, please contact Saint-Gobain Formula directly.

Saint-Gobain Formula shall not be liable for damages or losses of any kind due to an improper use of the product. This datasheet shall not be construed as a substitute for a professional advice before product's use or installation. It is the user's responsibility to use, or install, the products in strict compliance with the applicable norms, standards and professional uses in force on the date of use, or installation.

CONTACT

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