

HELIODUR D

Dental

PRODUCT DESCRIPTION

Heliotur D is a formulated hemihydrate plaster ($\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$) produced from naturally occurring gypsum mineral. It is available in white, blue, green or yellow in colour. This product is used for antagonistic models and for flasking for the manufacture of dentures.

PRODUCT BENEFITS

- + Base Plaster for Type 3
- + Good strength
- + Controlled expansion

APPLICATIONS

Dental

TECHNICAL INFORMATION

Chemical name	Calcium Sulphate Dihydrate
Chemical composition	$\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$
Plaster to water ratio (by weight)	3.33:1
Water to plaster ratio (by weight)	30%
Plaster to water mix ratio (by weight)	100/30
Colour	White, blue, yellow, green
Final setting time (minutes)	9 - 13
Working time (minutes)	4 - 6
Linear expansion (%)	0.18
Brinell hardness (MPa)	170
Dry compressive strength (MPa)	50
Wet compressive strength (MPa)	22
Particle size distribution (mesh size and % weight retained)	$\leq 0.04\%$ at $200\ \mu\text{m}$ $\leq 4\%$ at $90\ \mu\text{m}$
Bulk density (loose) (kg/m^3)	1100

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

PACKAGING AND SHELF LIFE

	Packaging Available	Shelf Life (Month)
Sack	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. 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.

CERTIFICATION



ISO 6873

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

*For any information, please visit our website
www.saintgobainformula.com*



*Sales
contact*



Documentation



*Technical
information*



*Global
information*