

HARTFORM 1

Construction Materials, Fibrous & Decorative

PRODUCT DESCRIPTION

Hartform 1 is a high strength unformulated alpha plaster made from natural gypsum resources. The product was designed as a binder in proprietary construction material formulations as well as for fibrous and decorative applications.

PRODUCT BENEFITS

- + 100 % alpha plaster made from natural gypsum resources
- + Low water demand
- + Fine Particle size

APPLICATIONS

Floor, Wall

TECHNICAL INFORMATION

Chemical name	Calcium sulphate hemihydrate
Chemical composition	$\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$
Plaster to water ratio (by weight)	2.5:1
Water to plaster ratio (by weight)	40%
Plaster to water mix ratio (by weight)	100/40
Vicat ring fluidity (cm)	14 - 22
Initial setting time (minutes)	8 - 20
Linear expansion (%)	0.43
Flexural strength (MPa)	10
Brinell hardness (MPa)	65
Dry compressive strength (Mpa)	30
Particle size distribution (mesh size and % weight retained)	0.04 % at 200 μm
Bulk density (loose) (kg/m^3)	1200

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

KEY INFORMATION

This product is manufactured from a naturally occurring mineral and therefore variations in colour and non-gypsum content are to be expected. As a ready-to-use plaster, the recommended plaster to water ratio is between 2.4:1 and 2.6:1, 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, strength and permeability.

PACKAGING AND SHELF LIFE

	Packaging Available	Shelf Life (Month)
Sack	25 kg / 50 kg	6
Bulk Bag	1 T	6
Bulk Tanker	25 T	Technical properties noted are at receipt of goods

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.

CERTIFICATION



DOP N° 01213279A10613 / WK003

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*



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