

ALFAMOLDE R59

Ceramics

PRODUCT DESCRIPTION

Alfamolde R59 is a formulated plaster designed for the ceramics industry to produce working moulds for jiggering applications.

APPLICATIONS

Tableware

PRODUCT BENEFITS

- + Controlled expansion
- + High mechanical resistance
- + Long mould life

TECHNICAL INFORMATION

| | |
|---|--------------------------------------|
| Chemical name | Calcium sulphate hemihydrate |
| Chemical composition | CaSO ₄ ·½H ₂ O |
| Minimum gypsum purity (%) | 94 |
| Plaster to water ratio (by weight) | 1.80:1 |
| Water to plaster ratio (by weight) | 56% |
| Plaster to water mix ratio (by weight) | 100/56 |
| Colour | White |
| Vicat ring fluidity (cm) | 20 ± 3 |
| Initial setting time (minutes) | 12 ± 4 |
| Linear expansion (%) | ≤ 0.22 |
| Flexural strength (MPa) | 7 |
| Brinell hardness (MPa) | 45 |
| Dry compressive strength (Mpa) | 16 |
| Particle size (% weight retained) | Trace at 200 µm < 2 % at 100 µm |
| Loose bulk density (kg/m ³) | 725 |

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 1.75:1 and 1.85:1, with a mixing time of approx. 2 to 4 minutes. Water and Plaster must be measured carefully to ensure constant performances.

Add the weighed quantity of plaster slowly into the measured volume of water and allow to soak.

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.

Mixing utensils should always be clean and free from set plaster.

PACKAGING AND SHELF LIFE

| | Packaging Available | Shelf Life (Month) |
|------|---------------------|--------------------|
| Sack | 25kg | 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 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.

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.

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CONTACT

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



Sales contact



Documentation



Technical information



Global information