

# ESCAYOLA CES

## Construction Materials

### PRODUCT DESCRIPTION

Escayola CES is an formulated plaster used as a binder in proprietary construction material formulations.

### APPLICATIONS

Wall

### PRODUCT BENEFITS

- + High purity
- + Good workability

### TECHNICAL INFORMATION

|                                         |                                      |
|-----------------------------------------|--------------------------------------|
| Chemical name                           | Calcium sulphate hemihydrate         |
| Chemical composition                    | CaSO <sub>4</sub> ·½H <sub>2</sub> O |
| Minimum gypsum purity (%)               | 94                                   |
| Plaster to water ratio (by weight)      | 1.40:1                               |
| Water to plaster ratio (by weight)      | 71%                                  |
| Plaster to water mix ratio (by weight)  | 100/71                               |
| Colour                                  | White                                |
| Vicat ring fluidity (cm)                | 18 ± 4                               |
| Initial setting time (minutes)          | 17 ± 7                               |
| Flexural strength (MPa)                 | 6                                    |
| Brinell hardness (MPa)                  | 20                                   |
| Dry compressive strength (Mpa)          | 10                                   |
| Particle size (% weight retained)       | Trace at 200 µm<br>≤ 2 % at 100 µm   |
| Loose bulk density (kg/m <sup>3</sup> ) | 575                                  |

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

### KEY INFORMATION


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)                             |
|-------------|---------------------|------------------------------------------------|
| Bulk Tanker | 25T                 | Technical properties noted 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°ES002

## 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](http://www.saintgobainformula.com)*



*Sales contact*



*Documentation*



*Technical information*



*Global information*

## 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.