

Product data sheet

ALFA CAST 100

PRODUCT DESCRIPTION:

The plaster ALFA CAST 100 is an alpha hemihydrate calcium sulphate of high purity, produced under particular conditions and suitably milled to obtain a fine-grained powder.

USES:

Thanks to its characteristics of high hardness, low porosity and homogeneous expansion, ALFA CAST 100 is used in the manufacture of molds for shapes in sanitary ware.

PREPARATION:

Sprinkle the plaster powder on the surface of the water uniformly. Thick, dry lumps will form if the water is added too quickly. If so, it becomes difficult to dissolve the lumps even with subsequent mixing. Let the mixture rest for about 1-2 minutes in order to let all the powder become wet homogeneously and to let air bubbles escape. Next, mix the product well until smooth and with no lumps. We recommend using a mechanical mixer for a large quantity of product. Mixing time depends on the quantity of the material and the size of the mixing machine. Attention, the mixing time must never be less than a minute, even for small quantities of plaster.

TECHNICAL CHARACTERISTICS:

Residue at 100 µm.	< 0.2 %
Water/gypsum ratio	100/250
Working time	18 – 20 minutes
Beginning setting time	20 – 25 minutes
Ending setting time	30 – 35 minutes
Linear expansion	0.08%
Compression Strength	30 N/mm ²

PACKAGING:

Paper bags, nominal weight 25 kg
Big-Bags.

STORAGE:

Store the product in a dry place, far away from sources of humidity. Bags must be stored without direct contact with the ground and they must be protected from any dripping water.

TECHNICAL ASSISTANCE:

Any characteristic of the plaster can be modified according to customer needs.

For further information, please contact our Technical Service Department at Gessi Roccastrada.