

FIBRAN ALFA CAST 40

gypsum for ceramic industry

Technical Data Sheet



Description

ALFA CAST 40 is a mixture of calcium sulfate hemihydrate beta and alpha. The presence of the latter gives the product superior mechanical properties compared to ordinary casting plasters.

Packaging: 25 kg paper bags and Big Bags

Fields of application

Due to its characteristics of high strength, excellent absorbency and very low setting expansion, it is used in the **ceramics industry for making casting and lathe molds.**

Preparation and use

Spread the gypsum slowly and evenly over the surface of the water. If the gypsum is spread too quickly, lumps may form, which will be difficult to dissolve even with subsequent mixing. Allow the mixture to rest for about 1 to 2 minutes to allow all the gypsum to get evenly wet and to allow any air bubbles present to escape from the mixture. After this time has elapsed, mix the product well until a lump-free mixture is obtained.

Mechanical rod stirrers are recommended for mixing large quantities of product. The mixing time depends on the size of the pour and the size of the mixer. Make sure that the mixing time is never less than one minute, even for small quantities.

Features	U. M.	Value
Size of particles	µm	< 200
Water / gypsum ratio	-	100/200
Casting time	Min	15
End of grip time	Min	25
Grip expansion	%	0,12
Compressive strength	N/mm ²	25
Flexural strength	N/mm ²	6

Storage and Warnings

Store dry for a period not exceeding 9 months. The bags must be stored without any direct contact with the ground and protected from any dripping. The product should be used at temperatures between 5 and 35 °C.