

# FIBRAN GR BETA

beta type gypsum for ceramic industry

## Technical Data Sheet



### Description

Calcium sulfate hemihydrate in powder, manufactured by grinding gypsum stone ( $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ ) of particular characteristics, subsequent firing in methane kilns and homogenization at constant temperatures.

**Packaging:** 25 kg paper bags, Big Bags and Bulk via silo truck.

### Fields of application

Due to its fineness characteristics and excellent absorbency, it is mainly used in the ceramic and sanitary ceramics industry for **making casting moulds**.

### 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 are 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 wet in an homogeneous 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	-	100/150
Casting time	min	18
End of grip time	min	35
Grip expansion	%	0,20
Compressive strength	N/mm <sup>2</sup>	14
Flexural strength	N/mm <sup>2</sup>	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 dripping. The product should be used at temperatures between 5 and 35 °C.