

# FIBRAN TB 12

100% beta-type gypsum for the ceramic industry

## Technical Data Sheet



### Description

Natural calcium sulfate hemihydrate in powder form, obtained by calcining and grinding gypsum stone ( $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ ) of more than 90% purity.

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

### Fields of application

It is used in the **ceramic industry** as well as a **basic product for making adhesives, fillers and skim coats**.

### 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	-	100/140
Density of mixture	gr/cm <sup>3</sup>	1585
Fluidity cone Vicat	cm	220
Starting time for gripping	min	20
End of grip time	min	35
Grip expansion	%	0,20
Shore hardness	D	35
Compressive strength	N/mm <sup>2</sup>	13
Flexural strength	N/mm <sup>2</sup>	5

### 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.

FIBRAN S.p.A. reserves the right to modify or change the technical data given without prior notice. It is the customer's responsibility to check that the technical information is suitable for the specific intended use. For further technical information please consult [www.fibran.it](http://www.fibran.it) or the Technical Department by writing to [tech@fibran.it](mailto:tech@fibran.it).