

# FIBRAN GAMMA 41

## gypsum for ceramic industry

### Technical Data Sheet



### Description

Powdered hemihydrate calcium sulfate, Gamma 41 obtained from the grinding of gypsum stone ( $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ ) of characteristics, subsequent baking in methane ovens and homogenization at constant temperatures.

**Packaging:** 25 kg paper bags and Big Bags.

### Fields of application

**For its characteristics of purity and finesse it is mainly used as a basic gypsum for the realization of plasterbased stucco and shavings.** It can also be used for the manufacture of plaster molds in the ceramic industry.

### Preparation and use

Sprinkle the chalk slowly and evenly on the surface of the water. If the chalk is spread too fast, dense, unweaved lumps can be formed that are difficult to dissolve even with the subsequent mixing. Let the dough rest for about 1-2 minutes to allow all the chalk to bathe evenly and to allow the air bubbles present to get out of the mixture.

After this time, mix the product well until you get a dough free of lumps. To mix large amounts of product it is recommended to use mechanical agitators at auction. The mixing time depends on the size of the casting and the size of the mixer. Make sure that the mixing time is never less than one minute, even for small amounts.

Features	U. M.	Value
Residue at 100 µm.	%	< 0,1
Water / gypsum ratio	-	100/140
Setting time (Knife)	Min	15 – 30
Grip expansion	%	0,15
Compressive strength	N/mm <sup>2</sup>	12
Flexural strength	N/mm <sup>2</sup>	5
Reaction to fire	Classe	A1

### Storage and Warnings

Store the product in a dry place protected from moisture. 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. At lower temperatures, drying becomes too slow and the product may be damaged by frost. At higher temperatures, drying too quickly can cause micro cracking. After application, rooms must be ventilated to allow proper curing. Shelf life: nine months from date of production.

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