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## CASTING PLASTER

### **DESCRIPTION:**

A calcium sulphate hemihydrate powder obtained by grinding gypsum stone ( $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ ) with special properties, then firing it in methane ovens and homogenising it at constant temperatures.

### **SCOPE:**

It is used for the production of plaster artefacts such as cornices, rosettes and mouldings. It is also used as a base for premixed gypsum plasters.

### **PREPARATION:**

Spread the plaster slowly and evenly over the surface. If the plaster is spread too quickly, clots may form which will be difficult to dissolve even during subsequent mixing. Allow the mixture to rest for about 1-2 minutes to ensure that all the plaster is homogeneously wet and that any air bubbles can leave the mixture. After this time mix the product well until you get a mixture that is free of lumps. For mixing large quantities use mechanical stirrers and mixers of the bar type. 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 quantities.

### **TECHNICAL PROPERTIES:**

Residue at 100 m.:	< 1 %
Water/plaster ratio:	100/140
Start time setting (blade)	15 - 25 min
Expansion:	0,20 %
Resistance to compression:	12 N/mm <sup>2</sup>
Resistance to bending:	5 N/mm <sup>2</sup>
Reaction to fire:	Class A.1

### **WARNING**

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 fast may cause micro-cracks. After application the room must be aired to enable proper drying.

### **STORAGE:**

Store the product in a dry place, protected from moisture. Bags should be stored without direct contact to the ground and protected from dripping water.