



TEKNACEM 180

Adjuvant of grinding and for raw flours by wet route.
The productivity **Burner**.



DESCRIPTION

TEKNACEM 180 is a product particularly formulated to improve the effectiveness of grinding mills and the homogenization of minerals and pigments by wet route. Depending on the hardness of the materials to be ground and the effectiveness of the grinding mills, productivity can be increased from 15% to 30%. At the same viscosity of the dough, the amount of water used in the dough can be reduced from 10% to 15%. TEKNACEM 180 is used profitably in the grinding of carbonates, clays, pigments and mineral mixtures for ceramics. TEKNACEM 180 favors the cleaning of the grinding bodies, reducing the wear of the balls, with the same production.

GENERAL CHARACTERISTICS

TEKNACEM 180 improves the grinding capacity of all types of minerals, and is recommended to facilitate the homogenization of wet mixtures of minerals, even of different nature. With the same energy dispensed, the fineness of the ground product increases, so much so that with the same fineness it reduces energy consumption. The benefits in one or another case, are in the order of 15% - 30%. On the other hand when the ground material needs to be dried for the subsequent stages of work, for example in ceramic products, cement flours, pigments etc. The advantage is double for the fact that TEKNACEM 180 considerably reduces the amount of water contained in the pastes and thus reduces the amount of energy required to dry the water from the mixtures.

PHYSICAL PROPERTIES

It is a liquid solution of organic salts and modified amines.

Liquid state

Brown color

Density at 20°C 1,20 ± 0,03 g/cm³ pH at 20°C 9,5 ± 1

Absent chlorides

Temp. Boiling about 110°C

Temp. Freezing < 5°C

Negative Flammability Test

HOW TO USE

TEKNACEM 180 is ready to use. As needed, it can be diluted in water in all ratios, within a period of 3 to 4 days from the moment of its mixing.

The product is introduced into the mill together with the raw materials with the help of a dosing pump. If the mill is powered by a variable system, the pump can be equipped with an automatic adjustment system.

DOSAGE

The standard dosage of TEKNACEM 180 is of the order of 0.5- 1%. The recommended dosage is 0.8% p.p. on the weight of the dry material to be ground, but can be modified according to the specific need with laboratory tests.





PACKS

Bulk in tank.

In metal drums of 220 Kg.

In tanks of 1200 Kg.

STORAGE

The product should be stored as close as possible to the point of use, protected from the sun and frost. In the original packages well closed and at temperatures between +5 ° C and + 35 ° C is valid for 12 months. If it were to remain at temperatures below 0 ° C for a long time, separations by crystallization may occur, in which case the product can be used after heating to + 20 ° C.

Overdosage:

A dosage 5 times higher than indicated, can provoke the separation of water of solids.

LEGAL

The information contained in this technical sheet, although representing the most advanced stage of knowledge, does not exempt the user from performing accurate preliminary tests in their conditions of use and operation. We therefore decline any responsibility for the improper use of the product.

