



TEKNAMI

Specific grinding aid additive for minerals



DESCRIPTION

TEKNAMI is a liquid additive in aqueous solution based on modified and salified amines that allows to improve the grinding capacity of ball mills. It acts by discharging the particle attraction forces produced during grinding, avoiding the agglomeration of the fines. It is particularly indicated as an adjuvant in the dry grinding of all minerals, to which it gives greater finesse and greater smoothness by reducing packing during storage.

GENERAL CHARACTERISTICS

TEKNAMI keeps the ground bodies and armor of the mill clean, increasing their refining efficiency. With the same production, it reduces the energy required and the wear of all parts of the system and maintenance interventions. With the same amount of energy consumed, it increases productivity by 15-20%.

On minerals, the following advantages are also highlighted:

- Increments the specific surface of the finish;
- Improves the homogeneity of cement;
- It gives the cement a good fluidification and reduces the pack-set during storage.

HOW TO USE

TEKNAMI is ready to use. It is placed at the entrance of the mill together with the raw materials through a special dosing pump. In the event that the mill has a variable supply, the pump can be correlated by an automatic adjustment system.

PHYSICAL PROPERTIES

	Liquid physical state
	Colorcolor
Density at 20°C	1,07 ± 0,02 kg/dm ³
Ph	at 20°C7-8
Absent	chlorides
Temp. Boiling	110 °C
Temp. freezing<	0 °C
Negative flammability	test
Solubility in	total water

DOSAGE

The dosage of TEKNAMI is 0.02-0.04% by weight on the weight of the mineral. Recommended dosage: 0.03% p.p.

Normally the dosage is variable depending on the type and hardness of the material to be ground and can be defined precisely after industrial testing.

Overdose:

A dosage higher than necessary may result in excessive fluidification of the ore within the plant downstream of the mill.





FIELDS OF APPLICATION

TEKNAMI is normally used in dry ball mills as an adjuvant grinding of all minerals for their refining below 200 μ and in particular carbonates, feldspars, sulphates, quartz, gypsum and even cement.

PACKS

Bulk in tank.

In metal drums of 200 Kg.

In tanks of 1060 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 tightly closed packages and at temperatures between +5°C and +40°C it 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.

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.

