



TEKNACEM 120 A4

Grinding and Dry adjuvant.
Strong resistance and workability.



DESCRIPTION

TEKNACEM 120 A4 is a liquid additive in aqueous solution based on inorganic salts and modified linear amines. It acts on the cement being ground, improving fineness and reducing packing during storage; it also improves the application characteristics by increasing the first and final resistances. Strong increase in workability and productivity.

GENERAL CHARACTERISTICS

It is particularly suitable for 32.5 pozzolanic cements as well as for all those cements that have poor initial workability or that lose it too quickly. However, it is also successfully used in cements cut with both limestone and slags. With the same amount of energy consumed, it increases productivity by 15-30%. On cements, the following advantages are highlighted:

- Increases the specific surface of the finished,
- Improves the homogeneity of cement;
- Gives the cement a good fluidification and reduces the pack-set during storage;
- Improves the wettability of cement and its hydration;
- Improves mechanical strength considerably at 2 and 28 days.
- Reduces the danger of false grip;
- Increases the flow of cementitious mixtures in the wet state;
- It is compatible with all additives for concrete.

PHYSICAL PROPERTIES

It is an aqueous solution of organic and inorganic salts and modified amines.

Condition: liquid

Colour: brown

Density: $1,15 \pm 0,03 \text{ g/cm}^3$ pH 20°C.: 10 ± 1

Temp. boiling: 110°C. c.

Temp. by congelam.

< 5°C.

Solubility in water: in all ratios

HOW TO USE

TEKNACEM 120 A4 is fed into 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 with an automatic adjustment system.

DOSAGE

The standard dosage of TEKNACEM 120 A4 is 0.2-0.4% by weight on cement, but can be modified depending on the type of cement and the desired final characteristics through laboratory tests. A dosage higher than that established in the preliminary tests can improve grinding capacity and productivity but not mechanical resistance.

PACKS

Bulk in tank.

In metal drums of 210 Kg.





In tanks of 1100 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.

PRECAUTIONS

For health:

In case of contact with eyes, wash immediately and abundantly with water; dab with boric acid solution. In case of permanence of irritation resort to the care of the doctor. For accidental contact with the skin, a good wash with soap and water is normally sufficient.

Accidental loss:

Collect with absorbent material and destroy in landfills, any residues can be removed with water avoiding polluting the aquifers.

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.

