



Rev 0
05/22



TEKNACEM 100 A4

Dry processed grinding aid.
Resistance and flow increaser.



DESCRIPTION

TEKNACEM 100 A4 is an aqueous liquid additive based on inorganic salts together with linear, modified amines, which help to improve the grinding capacity of the ball mills. This additive is the combination of the features of TEKNACEM 401, combined with a sharp increase in the resistance, and an improved flow. These peculiarities make TEKNACEM 100 A4 an additive for universal use.

FEATURES

TEKNACEM 100 A4 keeps clean the grinding parts and the armor of the mill, increasing in this way the efficiency of refining. In terms of production, it reduces the energy required and the deterioration of all the parts of the machine as well as its maintenance interventions. In terms of energy consumed, it increases productivity by 15-30%. Cements show the following advantages:

- It increases the finishing surface area;
- Improves the homogeneity of concrete;
- It gives the concrete a good smoothing reducing the pack-set during storage;
- It improves the wetting of the cement and its moisture;
- It increases the mechanical resistances after 2 and 28 days;
- It reduces the risk of false setting;
- It increases the flow of cement mixtures in a moist condition;
- It is compatible with all concrete admixtures.

PHYSICAL PROPERTIES

Appearance	liquid
Colour	amber
Density at 20°C	1, 15 ± 0.03 g/cm ³
Ph a 20°C	10 ± 1
Chlorides	none
Ebullition time	110°C
Freezing times	< 5°C
Inflammability test	negative
Solubility in water	total

INSTRUCTION FOR USE

TEKNACEM 100 A4 is ready to use and is compatible with any other additives for cements produced by TEKNA CHEM SpA. It is placed into the mill together with the raw materials through a special dosing pump. If the mill has a variable power supply, the pump can be linked by an automatic adjustment system.

TECHNICAL DATA SHEET



TEKNA CHEM S.p.A.

Headquarters: Renate (MB) - Via Sirtori, z.i. 20838 - Tel. +39 0362.91.83.11

Web: www.teknachemgroup.com - E-mail: info@teknachemgroup.com - Fax: +39 0362.91.93.96



DOSAGE

The standard dosage of TEKNACEM 100 is between 0.10-0.20 % w.w on the weight of the cement.

Recommended dosage: 0.15% w.w on the weight of cement. Even if the product reacts well with almost all types of cement, its optimal dosage however, must be established experimentally since it is influenced by the content of clinker and by its composition.

APPLICATION

TEKNACEM 100 A4 is used with excellent results in the preparation of all types of cement, both mixing and super cements.

STORAGE

The product should be stored close to the place where it will be used, away from direct sunlight and frost.

If stored in its original sealed packaging at temperatures between + 5 ° C and + 35 ° C it shall be valid for 12 months.

If stored for a long time at temperatures below 0 ° C , this may lead evaporation due to crystallization, in which case the product can be used after heating at + 20 ° C.

PRECAUTIONS

For health:

In case of contact with eyes, rinse immediately with plenty of water; dab with boric acid solution. In case of prolonged irritation, please seek medical attention. For accidental contact with the skin it is generally sufficient a good washing with soap and water.

Accidental release:

Collect the product with absorbent material and destroy in the landfill, any residues can be removed with water and avoid water pollution.

PACKAGING

Bulk in tanks

Metal drums of 220 Kg

Tanks of 1100 Kg

