



New Generation High Performance Cement Grinding Aid.

Description: POLYSTAR NEW 500 is advanced polycarboxylate-based additives developed to enhance cement performance in terms of workability, strength development, and overall quality.

Technical Properties:

Chemical Base	Modified Organic Compounds
Appearance	Homogeneous Liquid
Color	Light Yellow
pH	9 ±1
Density (g/cm³)	1,09 ± 0,02
Chloride content	< 0,01

Application :

POLYSTAR NEW 500 should be directly added to the mill or conveyor belt during the grinding process using an adjustable dosing pump.

Advantage :

- Provides clinker savings.
- Cost and energy efficiency.
- Enables increased use of mineral additives.
- Reduces water demand in concrete mixes.
- Improves workability.
- Maintains consistency and does not adversely affect strength.
- Increases quality and strength of cement.
- Achieve higher compressive strengths at all ages.
- Reducing the CO₂ emission as a result of reducing energy consumption for the grinding process.

Health and Safety Information:

The additive must be kept away from the skin and eyes. In case of any contact, it must be washed with water. When contacted with eyes one must immediately rinse it with water and medical support must be taken. Protective goggles / gloves / mask should be used during the usage of the additive. The Safety Data Sheet (SDS) should be read for detailed information.

Dosage:

Recommended dosage range: 0.1% – 0.3% by weight of cement (1.000–3.000 g/ton).

The optimal dosage should be determined through laboratory and industrial mill trials, based on clinker properties, mill settings, and target fineness.

Storage:

Must be stored at temperatures between +5°C and +35°C. Direct sunlight exposure and freezing conditions should be avoided. Once frozen, the product should be thawed out slowly and re-mixed thoroughly prior to use. Under proper storing conditions, the product's shelf life is 12 months from production date if keep in original packaging unopened and undamaged.



Standards compliance:

Complies with ASTM C465.

Cleaning :

In case of a possible spill or contamination, it can be washed with clean cold water.

Fire : POLYSTAR NEW 500 non-flammable.

Packaging : 1000 kg IBC konteyner Bulk

