



Set Accelerator & Strength Enhancing Grinding Aid

Description:

POLYSTAR SE 3500 is a high performance chemical formulation specifically designed to accelerate cement setting and enhance early-age strength development. When applied at low dosages, it shortens setting time in a controlled manner and promotes rapid strength gain in cement, mortar, and concrete.

Technical Properties:

Chemical Base	Special Components
Appearance	Homogeneous Liquid
Color	Light Brown
pH	8±1
Density (g/cm³)	1,15 ± 0,02
Chloride content	< 0,01

Application :

POLYSTAR SE 3500 should be directly added to the mill or conveyor belt during the grinding process using an adjustable dosing pump.

Advantage :

- Increases dispersion and grinding efficiency.
- Provides energy savings.
- Reduces setting time. Allows faster formwork removal without loss of workability.
- Accelerates early strength. Shortens production and construction time.
- Ensures uniform setting. Improves concrete and mortar quality.
- Effective at low dosages. Provides cost efficiency.
- 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.

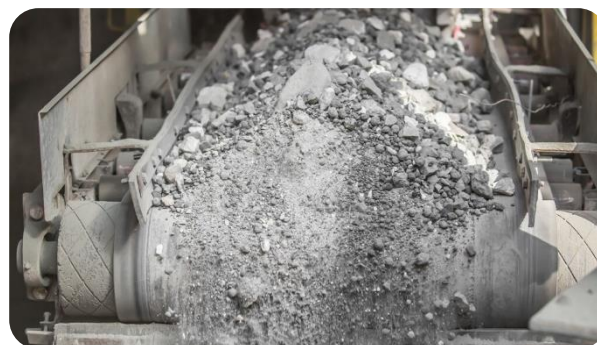
Dosage:

Recommended dosage range: 0.04% – 0.08% by weight of cement (400–800 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 SE 3500 non-flammable.

Packaging : 1000 kg IBC konteyner Bulk

