



## New Generation High Performance Cement Grinding Aid

**Description:** POLYSTAR SE 3000 is a high performance chemical additive designed to improve cement grinding efficiency and enhance early strength development. When added in small dosages, it optimizes particle grinding and accelerates early-age strength gain.

### Technical Properties:

<b>Chemical Base</b>	Amine mixture
<b>Appearance</b>	Homogeneous Liquid
<b>Color</b>	Light Yellow
<b>pH</b>	10 ±1
<b>Density (g/cm<sup>3</sup>)</b>	1,05 ± 0,02
<b>Chloride content</b>	< 0,01

### Application :

POLYSTAR SE 3000 should be directly added to the mill or conveyor belt during the grinding process using an adjustable dosing pump.

### Advantage :

- Improves early compressive strength (1–2 days)
- Increases dispersion and grinding efficiency.
- Increases quality and strength of cement.
- Reduces water demand of cement.
- Achieves high mechanical strengths for short, mid and long terms.
- Resolves Pack Set problem and increases mill capacity.
- Grinding aids neutralizes coagulation forces.
- Provides energy savings.
- Reduces cement production costs.
- Incribility by decreasing the agglomeration of cement particles.
- Obtains desired cement fineness faster.
- Reducing the CO<sub>2</sub> emission as a result of reducing energy consumption for the grinding process.

**Fire :** POLYSTAR SE 3000 non-flammable.

**Packaging :** 1000 kg IBC konteyner Bulk

### Health and Safety Information:

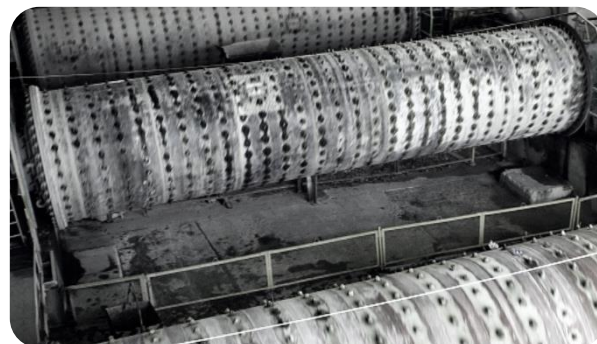
The additive must be kept away from the skin and eyes. In case of any contact, it must be washed with water. When contacted with eyes one must immediately rinse it with water and medical support must be taken. Protective goggles / gloves / mask should be used during the usage of the additive. The Safety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

### Dosage:

Recommended dosage range: 0.03% – 0.05% by weight of cement (300–500 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.

