



## Grinding Aid & Performance Enhancer for CEM IV (Pozzolan Cement)

**Description:** POLYSTAR SE 3300 is a specialized grinding aid with strength-enhancing properties, developed specifically for CEM II type cements containing limestone, slag, pozzolan, or fly ash. It improves strength development by enhancing clinker reactivity and optimizing the interaction between clinker and mineral additions during grinding.

### Technical Properties:

<b>Chemical Base</b>	Amine/Glycols mixture
<b>Appearance</b>	Homogeneous Liquid
<b>Color</b>	Light Yellow
<b>pH</b>	10 ±1
<b>Density (g/cm<sup>3</sup>)</b>	1,08 ± 0,02
<b>Chloride content</b>	< 0,01

### Application :

POLYSTAR SE 3300 should be directly added to the mill or conveyor belt during the grinding process using an adjustable dosing pump.

### Advantage :

- Enhances compressive strength development in blended cements
- Improves the efficiency of clinker contribution at reduced clinker factor
- Activates hydration of clinker in presence of mineral additions
- Improves particle interaction between clinker and secondary constituents
- Supports consistent strength performance despite raw material variability
- Enables strength optimization without increasing cement fineness
- Reducing the CO<sub>2</sub> emission as a result of reducing energy consumption for the grinding process.
- Supports both early and final compressive strength of CEM II cements
- Helps compensate strength loss related to higher addition levels
- Enables stable strength results at optimized clinker ratios

### 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.

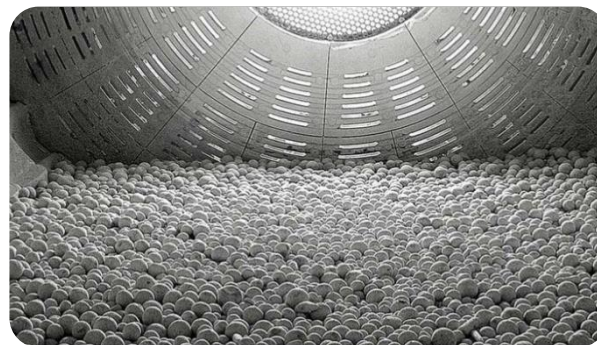
### Dosage:

Recommended dosage range: 0.05% – 0.08% by weight of cement (500–800 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 3300 non-flammable.

**Packaging :** 1000 kg IBC konteyner Bulk

