



Set Retarder & Strength Enhancing Grinding Aid

Description: POLYSTAR SE 3550 is a high performance chemical formulation designed to enhance cement grinding efficiency by promoting effective particle breakage, while simultaneously extending setting time in a controlled manner. When applied at low dosages, it optimizes cement reactivity, reduces the risk of premature setting, and maintains workability for an extended period.

Technical Properties:

Chemical Base	Amine
Appearance	Homogeneous Liquid
Color	Dark Brown
pH	9 ±1
Density (g/cm³)	1,11 ± 0,02
Chloride content	< 0,01

Application :

POLYSTAR SE 3550 should be directly added to the mill or conveyor belt during the grinding process using an adjustable dosing pump.

Advantage :

- Enhances grinding efficiency. Reduces energy consumption.
- Extends setting time. Provides longer workability.
- Reduces early-age cracking due to premature setting.
- Contributes to uniform and high-quality product.
- 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: 0.05% – 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 kept 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 3550 non-flammable.

Packaging : 1000 kg IBC konteyner Bulk

