



## Pack Set Reducing Cement Grinding Aid

### Description:

POLYSTAR GA 1000 is a high-performance cement additive combining the benefits of a grinding aid and a pack set inhibitor.

### Technical Properties:

<b>Chemical Base</b>	Amines/Acids mixtures
<b>Appearance</b>	Homogeneous Liquid
<b>Color</b>	Light Yellow
<b>pH</b>	9 ±1
<b>Density (g/cm<sup>3</sup>)</b>	1,11 ± 0,02
<b>Chloride content</b>	< 0,01

### Application :

POLYSTAR GA 1000 should be directly added to the mill or conveyor belt during the grinding process using an adjustable dosing pump.

### Advantage :

Improve grinding efficiency by reducing particle agglomeration and enhancing dispersion Stabilize the material bed for smoother mill operation Retard premature hydration of cement, preventing hardening in storage and transport This dual-action formulation increases mill throughput, reduces energy consumption, and ensures cement remains free-flowing while maintaining high early and long-term compressive strengths. Reducing the CO<sub>2</sub> 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% – 0.10% by weight of cement (500–1000 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.



**Packaging :** 1000 kg IBC konteyner Bulk

**Fire :** POLYSTAR GA 1000 non-flammable.

