



New Generation Clinker Saving Cement Grinding Aid

Description: POLYSTAR NEW 750 is a new generation grinding aid developed to maximize efficiency and energy savings in the cement grinding process. It optimizes clinker usage, enables effective utilization of mineral additives, and significantly reduces water demand in concrete applications. It maintains workability and does not negatively affect either early or final strength, thereby ensuring consistent quality and performance..

Technical Properties:

| | |
|-----------------------------------|----------------------------|
| Chemical Base | Modified Organic Compounds |
| Appearance | Homogeneous Liquid |
| Color | Light Yellow |
| pH | 10 ±1 |
| Density (g/cm³) | 1,10 ± 0,02 |
| Chloride content | < 0,01 |

Application :

POLYSTAR NEW 750 should be directly added to the mill or conveyor belt during the grinding process using an adjustable dosing pump.

Advantage :

- Provides clinker savings. Cost and energy efficiency.
- Enables increased use of mineral additives.
- Reduces water demand in concrete mixes. Improves workability.
- Maintains consistency and does not adversely affect strength.
- Increases quality and strength of cement.
- Achieve higher compressive strengths at all ages.
- Reducing the CO₂ emission as a result of reducing energy consumption for the grinding process.
- Improved water reduction potential in concrete mixtures
- Enhanced workability at equal water content
- Improved slump retention over time
- Reduced bleeding and segregation tendency
- More efficient utilization of fly ash and slag reactivity

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: 0.15% – 0.2% by weight of cement (1.500–2.000 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 NEW 750 non-flammable.

