



STAREX NTR-20: Grinding Aid for Raw Mills

Product Objectives

- To increase Raw Mill output by up to 10-15% while maintaining fineness; and/or,
- To improve fineness of raw meal, which allows the free lime of the clinker to be reduced and the resulting performance of the cement to be increased, while maintaining Raw Mill output.
 - We have also observed that the resultant clinker is easier to grind (softer) in multiple instances.

Typical Challenges in Raw Meal Grinding

- Rapid wear of the mill tyres or the table occurs because of raw materials that are harder to grind or because of delayed maintenance;
- The materials are harder than expected
- Raw mill throughput being a bottleneck in the clinker production, compared with kiln capacity

STAREX NTR-20: Product Information

- STAREX NTR-20: To be delivered in concentrated powder form
 - 1 part of STAREX NTR-20 will be mixed with 3 parts of water on-site to form a 25% NTR Solution
 - Mixing will be conducted using UNISOL supplied agitator
- Recommended dosage: 0.03% of total raw mill feed

Set Up

The following equipment and accessories will be used for the deployment:

- Tanks: 2 units of 1000 Liter each (to be sourced locally either from plant or closeby)
- Agitator: 1 unit (to be supplied by UNISOL Inc)
- Transfer Pump: 1 unit (to be supplied by UNISOL Inc)
- Dosing Pump: 1 unit (to be supplied by UNISOL Inc)