

k-GA30

Raw Mill Grinding Aid

Description:

k-GA30 is an aqueous solution of liquid dispersants specially formulated for Raw Mill for minerals, silica, limestone, calcium carbonate and cement raw materials grinding in both Ball Mill and Vertical Roller Press Mill (VRM).

Uses:

k-GA30 is recommended for:

- Cement Raw materials grinding in Ball type and Vertical Raw mills ,
 - Various minerals grinding in raw mill,
 - Silica, limestone and pure calcium carbonate grinding

Advantages

k-GA30 helps to reduce agglomeration in raw mill to increase raw grinding efficiency and production output. k-GA30 is able to provide following benefits to the Cement Plants and Mineral grinding processing units:

- Increases raw mill productivity by reducing raw mill grinding cost and specific energy power consumption.
- Increased materials fineness and reduced residue levels of raw materials for better burning efficiency and materials flowability

Properties:

Appearance	: Brown Liquid
Specific gravity	: 1.07 – 1.15
Ph	: 4.0 +/- 1.0 @ 25°C
Homogeneity	: Homogeneous

Technical Details:

k-GA30 helps to increase raw mill output up to 15% however industrial field plant trials are recommended to optimize **k-GA30** dosage to achieve desired raw mill performance. **k-GA30** is suitable for use in Ball Mill and Vertical Roller Mill (VRM). **k-GA30** grinding aid contains special chemical catalysts that react with the raw mill materials to enhance grinding process resulting in better fineness and residue results.

Dosage:

k-GA30 guideline dosage is 0.03 - 0.10% by weight of cement. Dosage may vary depending on raw materials composition, raw mill type, and various raw materials properties. **k-GA30** dosage

should be optimized during plant field trials and actual plant use to meet desired performance requirements. Please contact Kenal Pvt.Ltd technical department for **k-GA30** dosage use outside guideline dosage range.

Standard Compliance:

k-GA30 has been widely used in cement industry and complies with ASTM C465-85 as a non-harmful processing addition.

Dispensing:

k-GA30 is normally added on the raw material belt conveyor before raw mill using suitable metering pump dispensing system. The **k-GA30** can be added to cement mill first chamber however addition location shall be decided jointly depending on actual plant condition.

Compatibility:

k-GA30 is compatible for use in Ball Mills and Vertical raw mill

Storage/Packing:

k-GA30 shall be stored in covered storage area in clean dry tanks where temperature does not drop below freezing. **k-GA30** is supplied in 205 Litres drums, 1000 Litres IBCs tanks and Bulk tanker supply. It does not contain flammable materials.

k-GA30 can be stored up to 12 months in its original manufacturer's containers

Precautions:

Health: **k-GA30** it should not be swallowed or allowed to come into contact with skin and eyes. Suitable protective gloves and goggles should be worn. Spillages should be washed down immediately with