Ekan® GRIND 103

High-performance grinding aid / Early and final strength enhancer

Cement Additives
Grinding Admixtures

CHARACTERISTICS

EKAN® GRIND 103 is a grinding aid specifically formulated to increase the early and final strengths of cement. It increases mill production (by 10% to 25%) depending on equipment efficiency and the characteristics of the material to be ground.
Reduces shrinkage (initial hardening) and grinding energy costs.
The risk of false set is reduced due to lower grinding temperatures.
Improves the physical properties of the ground material and increases bulk density.
Improves powder flow characteristics before, during, and after storage.
Compaction and pack-set tendencies are significantly reduced.
Cement particle size distribution is improved, resulting in more complete hydration.

INSTRUCTIONS FOR USE

Areas of use

- All types of cement according to ENV 197-1, from Type I
- Production of rapid-hardening cement

Application

Dosage: 200 – 500 g per ton of cement (optimal dose: 300 g/ton). EKAN® GRIND 103 is a ready-to-use liquid additive. The optimal dosage must be defined through local testing based on clinker grindability and required performance. For further details, please contact EKAN technical sales personnel.

TECHNICAL DATA

Appearance: Homogeneous
Color: Light brown
pH at 20°C: 10.50 (±1)
Density: 1.130 ± 0.03 kg/l

CERTIFICATIONS

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14001 : 2015

45001 : 2018

9001 : 2015

PRECAUTIONS

The shelf life of EKAN® GRIND 103 is 12 months from the date of manufacture, provided the product is not altered with other chemical substances.
Do not mix EKAN® GRIND 103 with any other product.
EKAN® GRIND 103 does not freeze above −5°C.
EKAN® GRIND 103 may cause irritation in case of contact with eyes and skin.
General industrial safety precautions (goggles, gloves, and mask) must be followed during handling.
If EKAN® GRIND 103 comes into contact with the skin, rinse immediately with water.
EKAN® GRIND 103 is non-flammable (flash point > 180°C).
Spills of EKAN® GRIND 103 can be removed with water.

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