

Ekan® POWER 105

An additive designed to improve cement grinding. It increases mill production (from 10% to 25%) depending on plant efficiency and the characteristics of the material to be ground.



Cement Additives
Admixtures for strength improvement



CHARACTERISTICS

EKAN® POWER 105 is an additive formulated to improve the grinding of minerals and is particularly recommended for cement grinding. It increases mill production (from 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.
- The particle size distribution of the cement is improved, resulting in more complete hydration.

INSTRUCTIONS FOR USE

Areas of use

- All types of cement compatible with ENV 197-1, types I to V, and aluminous cements

Application

Dosage: 250–750 g per ton of cement.

The optimal dose of EKAN® POWER 105 must be defined through local testing based on clinker grindability and the required performance. For more information, please contact EKAN technical sales personnel.

TECHNICAL DATA

Appearance: Homogeneous

Color: Brown

Density: 1.175 ± 0.02 kg/l

pH at 20°C: 6.00 ± 1

CERTIFICATIONS



14001 : 2015



45001 : 2018



9001 : 2015

PRECAUTIONS

The shelf life of EKAN® POWER 105 is 12 months from the date of manufacture, provided the product is not altered with other chemical substances.

Below -5°C , EKAN® POWER 105 may form crystals.

In case of crystallization, agitate at $+5^{\circ}\text{C}$ or higher until reconstituted.

EKAN® POWER 105 may cause irritation upon contact with eyes and skin.

General industrial safety precautions (goggles, gloves, and mask) must be followed during handling.

If EKAN® POWER 105 comes into contact with the skin, wash immediately with water.

EKAN® POWER 105 is fire-resistant (F.P. $> 100^{\circ}\text{C}$).

In case of an EKAN® POWER 105 spill, remove with water.