

PRODUCT DATA SHEET

SikaGrind®-108 Activator KE

EFFICIENT GRINDING AID & PERFORMANCE ENHANCER FOR CEMENT

DESCRIPTION

SikaGrind®-108 Activator KE is a chloride free liquid cement grinding aid with performance enhancing properties. SikaGrind®-108 Activator KE has been specifically designed to increase the output of cement grinding plants and obtain improved early strength development for various types of cements.

USES

- Improve the production rate of the cement grinding system.
- Improve the quality of cement through early comprehensive strength of enhancement.

CHARACTERISTICS / ADVANTAGES

SikaGrind®-108 Activator KE is a dispersant with the following characteristics:

- Neutralisation of electrical charges on the surface of the cement particles
- Reduced agglomeration of ground cement particles (better dispersion)
- Less coating (accumulation of material) on grinding media and mill internals

SikaGrind®-108 Activator KE provides the following advantages in the cement production:

- Enhanced grinding performance of the cement mill
- Higher separator efficiency
- Higher mill output (tons per hour) Reduced relative power consumption per ton of cement
- Easier achievement of the desired cement fineness (Blaine, particle fraction > 32µm, granulometry)
- Minimized problems with “plugging” due to improved powder flow characteristics

SikaGrind®-108 Activator KE gives the following advantages to the finished cement:

- Reduced quantity of “over-milled” particles in the cement granulometry
- Easier discharge of the silos Increased early strengths after 1 and 2 days Increased strengths
- Economic cement design with clinker replacements

PRODUCT INFORMATION

Composition	Blend of amines
Packaging	<ul style="list-style-type: none"> ▪ 1000 L IBC ▪ Bulk supply in tanker based on demand
Shelf life	12 months from date of production if stored properly
Storage conditions	Store in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +5 °C and +35 °C. Protect from direct sunlight and frost. Note: When delivered in bulk, the tanks and equipment used must be free from contaminants
Appearance / Colour	Light Brown Liquid

Density	1.10 +/- 0.02 kg/l
pH-Value	10.0 +/- 1.0
Recommended dosage	Typical dosage rates of SikaGrind®-108 Activator KE are between 0.2 - 0.8 kg per ton of cement (0.02% - 0.08% of total weight = cement clinker + additions). The optimum dosage to achieve the desired characteristics shall be determined in plant trials. Influencing factors are properties of clinker source, type of cement and other plant variables. For consistent results, SikaGrind®-108 Activator KE must be accurately dispensed.
Dispensing	SikaGrind®-108 Activator KE is added into the grinding mill (first or second compartment), onto the clinker feeding channel or sprinkled / dropped onto the clinker (raw material) on the conveyor belt. Suitable dosage pumps with adjustable flow rates should be used for accurate dosing. Note: Periodically, the end of the additive tube should be checked to ensure, that it is not blocked with cement clinker/dust.
Compatibility	Cements treated with SikaGrind®-108 Activator KE are compatible in concretes produced with all commercial admixtures including air entrainers, water reducers, retarders and super plasticizers. The performance of concrete admixtures is not adversely affected by the use of SikaGrind®-108 Activator KE Activator. Please consult our Technical Services Department

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets before using any products. For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

Sika Kenya Limited
Mudher Industrial Complex, Mombasa
Road
P.O Box 38645 - 00623 Nairobi, Kenya
Mobile: +254 711 140234 / +254 786
140234
Web: ken.sika.com

SikaGrind-108ActivatorKE-en-KE-(09-2024)-1-1.pdf

Product Data Sheet
SikaGrind®-108 Activator KE
September 2024, Version 01.01
021407011000002106