

PRODUCT DATA SHEET

SikaGrind®-248 Optimizer

Cement additive engineered for enhancement of cement strength, reduction of unit grinding energy and improvement of cement mill throughput

DESCRIPTION

SikaGrind®-248 Optimizer is a liquid, ready-to-use cement additive designed to enhance cement performance. In addition to acting as a Grinding Aid in the milling process and a flow aid in cement conveyance, SikaGrind®-248 Optimizer improves specific cement properties by the activity of its chemical components. These act in the modification of clinker characteristics and in the enhancement of its hydraulic properties. SikaGrind®-248 Optimizer is specifically designed to increase late strength of cement. These benefits can be used either for achieving superior product performance or for cement optimization while maintaining the original performance level. Typical late strength improvement is +5-15% at 28 days vs. plain control. However, product performance is dependent on grinding equipment characteristics, process conditions, raw material properties and cement type. To best benefit from cement additives, mill and separator process parameters may need to be adapted. SikaGrind®-248 Optimizer improves the flow characteristics of cement with positive impact on cement conveyance and reduction of pack-set in storage.

USES

SikaGrind®-248 Optimizer is developed for application in the cement grinding process in:

- Ball mills (closed and open circuits)
- Vertical mills
- Other grinding systems, such as: GGBS grinding

PRODUCT INFORMATION

Packaging	SikaGrind®-248 Optimizer is available in 1000kg IBC
Appearance and colour	Clear to Brown Liquid
Shelf life	12 months shelf life from date of production if stored properly in undamaged, unopened, original sealed packaging.

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.
pH-Value	10 ± 1
Specific gravity	1.084 at 25 °C
Recommended dosage	SikaGrind® -248 Optimizer can be metered onto the mill feeders or injected into the mill. The recommended dosage rate is between 250-500g per ton of cement. Other dosages may be required in specific situations. The optimum dosage should be evaluated in plant trials. For further questions please consult our Technical Service. Calibrated dosing equipment with an adjustable flow rate and appropriate dosage range is recommended to obtain the maximum performance of the product
Compatibility	SikaGrind® 248-Optimizer is compatible with all types of cements.

BASIS OF PRODUCT DATA

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

LEGAL NOTES

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