BUILDING TRUST

PRODUCT DATA SHEET

SikaGrind® LS 3316

High Grade Performance Enhancer

DESCRIPTION

SikaGrind® LS 3316 is a chemically combined composition of ionic particles together with an organic chemicals compound which is both a tertiary amine and a trial, formulated specifically to improve the milling grind ability for the production of Portland and other hydraulic cement types. High end raw materials are used in order to guarantee a superior performance of the product.
SikaGrind® LS 3316 can be used for any type of milling process whether it is a horizontal ball mill or vertical roller mill applications. It is an effective grinding agent together with the enhancing property towards the cement compressive strength due to the promoted hydration reaction phases and improved Particle Size Distribution.

USES

The advantages of SikaGrind® LS 3316:
- Reduced cement agglomeration phenomenon for better grinding efficiency.
- Coating reduction – grinding media, internal liners, diaphragm, separator internal parts, rollers, grinding table, etc.
- Specifically designed to increase cement compressive strength at all ages due to chemically and hydraulically improve reaction.
- Increased in cement mill output at the same cement fineness up to 15% depending on the raw materials quality supplied.
- Directly influence the production cost per ton of cement produced.

CHARACTERISTICS / ADVANTAGES

APPROVALS / STANDARDS

$v(name) is compatible with all types of cement. It complies with ASTM C465-99 as a nonharmful processing additive

PRODUCT INFORMATION

Packaging	SikaGrind® LS 3316 is supplied in bulk delivery, 1000 kg IBC tank.
Appearance / Colour	Dark Brown Liquid
Shelf Life	SikaGrind® LS 3316 can be stored for 12 months if stored in unopened, undamaged and original sealed packaging.
Storage Conditions	The product must be stored properly 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	≥ 9
Specific gravity	1.15 ± 0.03

APPLICATION INFORMATION

Recommended Dosage	SikaGrind® LS 3316 is used at a recommended standard dosage rated by weight of cement. Individual dosage may vary due to different type of clinker, type of mill, desired results and job or task conditions. The recommended amount is 0.03 - 0.08 % by weight of cement produced.
Dispensing	It is recommended that SikaGrind® LS 3316 to be dispensed at the clinker conveyer belt. However, our representatives will advise the best location for the dispenser to be located. No water addition is necessary. A proper dosing pump is required to ensure a correct and consistent dosage into the system to obtain the desired optimum performance.

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

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 performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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