

PRODUCT DATA SHEET

SikaGrind®-304

CEMENT ADDITIVE

DESCRIPTION

SikaGrind®-304 is a liquid cement additive that has been specifically formulated to suppress the carbon staining associated with PFA blended cements.

USES

SikaGrind®-304 has been specifically formulated to:

- Increase the cement performance in concrete
- Enhance the quality of the blended cement
- Suppress the carbon staining associated with PFA blended cement

CHARACTERISTICS / ADVANTAGES

SikaGrind®-304 is a very effective dispersant with the following characteristics:

- modifies the electrical charges on the surface of the cement particles which facilitates their separation

SikaGrind®-304 provides the following advantages in the cement production:

- Reduced re-agglomeration of the cement particles
- less accumulation of materials on grinding equipment

- Easier handling and improved flow characteristics

SikaGrind®-304 gives the following advantages to the finished cement:

- Easier discharge of the silos
- Allows economic design
- Minimized problem with "plugging" due to improved flow characteristics

APPROVALS / STANDARDS

SikaGrind®-304 is produced under Quality management systems according to EN ISO 9001.

PRODUCT INFORMATION

Chemical Base	Modified lignosulphonate
Packaging	210 liter drum, 1000 liter bulk
Appearance / Colour	Brown liquid
Shelf Life	At least 12 months shelf life from date of production if stored properly in undamaged, unopened, original sealed packaging.
Storage Conditions	Stored at temperatures between +5°C and +35°C. Protect from moisture, direct sunlight and contamination. Note: When delivered in bulk, the tanks and equipment used must be free from contaminants.
Density	1.15 ± 0.02 kg/l
pH-Value	4.0 - 6.0
Total Chloride Ion Content	<10% (chloride free)

APPLICATION INFORMATION

Compatibility

- Sika@Admixtures:
- Compatibility information available on request
- Cements:
- All cement combinations
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Recommended Dosage

0.1 - 0.6% by weight of cement (cement clinker + additions)

Dispensing

- SikaGrind®-304 should be dispensed through suitable calibrated equipment
 - SikaGrind®-304 is to be added into the grinding mill (first or second compartment), onto the clinker feeding channel or onto the clinker (raw material) on the conveyor belt.
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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.

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.

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.

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.

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