

SikaGrind® 350

Grinding aid for the production of cement

Product Description

SikaGrind® 350 is a chloride free liquid additive to allow easier grinding and enhance the characteristics of the cement

Uses

General use for all types of Portland cements

Characteristics / Advantages

SikaGrind® 350 is a very effective dispersant agent, with the following characteristics: -

- Deagglomeration of particles, by neutralizing the superficial electrostatic charges
- Improvement of the cement hydration

SikaGrind® 350 offers the following advantages:

- Higher mill and separator efficiency with significant production increases and energy cost savings.
- Reduced "coating" formation, maintaining the effectiveness of the ball charge.
- The distribution of particles sizes is improved, avoiding the formation of "over- milled" particles.
- It intervenes in the cement hydration reactions, activating the strengths development, mainly at early ages.
- Reduced silos blockage risk.
- Due to its effectiveness as dispersant, it makes more efficient all the handling operations (pneumatic conveyors, package, silos extraction, etc.).

Tests

Approvals / Standards

SikaGrind® 350 is produced under Quality management systems according to EN ISO 9001.

Product Data

Form

Appearance / Colour

Dark brown liquid

Packaging

Bulk delivery.
1 m³ IBC on request.

Storage

Storage Conditions / Shelf-Life

At least 12 months from the date of production in undamaged, unopened and sealed original containers when stored at temperatures between +5°C and +35°C. Protect from frost, direct sunlight and contamination.
Note: When delivered in bulk, the tanks and equipment used must be free from contaminants.



Technical Data

Chemical Base	Carboxylic derivates
Density (20°C)	1.06 kg/l approx..
pH Value	7 approx.
Chloride Content	Chloride-free

System Information

Application Details

Dosage	SikaGrind® 350 is commonly used in dosages between 0.3 and 0.6 kg per cement tonne (0.03% - 0.06% of the total weight of clinker + additions).
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Application Conditions / Limitations

Compatibility	Cements treated with SikaGrind® 350 are compatible in concretes produced with air entrainers, water reducers, retarders and superplasticisers. The performances of concrete admixtures are not adversely affected by the use of SikaGrind® 350.
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Notes on Application / Limitations

Support from our Technical Department is recommended

Application Instructions

Dispensing	<ul style="list-style-type: none"> ■ SikaGrind® 350 can be added onto the clinker conveyor belt, close to the mill entrance, or directly into the mill (1st or 2nd chamber). In order to get an accurate dosage, a pump with adjustable flow should be used. ■ Periodically, the end of the additive pipe should be checked to ensure that it is not blocked with cement / clinker dust.
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Value Base

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.

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet 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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