

PRODUCT DATA SHEET

SikaGrind®-802

GRINDING AID FOR THE PRODUCTION OF CEMENT

DESCRIPTION

SikaGrind®-802 is a chloride- and amine-free, highly effective grinding aid that optimizes the grinding process of the cement mill and enhances the quality of cement.

USES

SikaGrind®-802 can be used for the grinding of cement clinker as well as for the production of cements with supplementary clinker materials, such as slag. Separate and co-grinding are possible.

CHARACTERISTICS / ADVANTAGES

- energy savings during the milling process
- cost optimization and CO₂ reduction
- basic grinding aid which can be used in a variety of ways
- no risk of brown discoloration

With SikaGrind®-802 an increase of production rate can be ensured. The formation of agglomerates of the cement particles is strongly reduced, hence the interior of the mill is smooth and the milling process is efficient. The desired cement powder's properties (like particle size distribution) can be achieved fast and easily.

APPROVALS / CERTIFICATES

SikaGrind®-802 is produced according to DIN ISO 9001.

PRODUCT INFORMATION

Composition	based on special polycarboxylate ethers
Packaging	1000 kg container bulk delivery > 10 to
Shelf life	At least 12 months from the date of manufacture, if it is properly stored in undamaged, unopened and sealed original packaging.
Storage conditions	In closed containers at +5 °C to +30 °C it can be kept for at least one year. After prolonged storage, stir before use. Protect from frost, strong sunlight and contamination. Use clean tanks and containers for bulk deliveries.
Appearance and colour	brown fluid
Density	1.02 kg/dm ³ at +20 °C
Viscosity	≤ 50 mPas at +23 °C
pH-Value	approx. 4.5
Total chloride ion content	≤ 0.10 %

Recommended dosage

The typical dosage range of SikaGrind®-802 is between 0.4 - 0.8 kg per ton of cement (0.04 % - 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 e.g. the properties of clinker, type of cement and other plant variables. For consistent results, SikaGrind®-802 must be accurately dispensed.

Dispensing

SikaGrind®-802 is added onto the clinker feed shortly before the mill entrance or directly into the grinding mill. Suitable dosage pumps with adjustable flow rates shall be used for accurate dosing.
Note: Periodically, the end of the additive tube/hose shall be checked to ensure that it is not locked.

Compatibility

Cements treated with SikaGrind®-802 are compatible in concretes produced with all commercial admixtures including air entrainers, water reducers, retarders and superplasticizers. The performance of concrete admixtures are not adversely affected by the use of SikaGrind®-802.

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.

ECOLOGY, HEALTH AND SAFETY

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

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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