BUILDING TRUST

PRODUCT DATA SHEET

SikaGrind®-710

Grinding aid and quality improver for the production of cement

DESCRIPTION

SikaGrind®-710 is liquid additive with strength enhancing properties specifically developed for the production of cement.

USES

SikaGrind®-710 increases the production rate of cement and enhances early and late strength of cement. It optimizes the efficiency of modern separators and cement mills.

FEATURES

- Improved mill cleanliness through reduced material adhesion to grinding balls and mill internals
- Higher efficiency of plants *(tons per hour)* due to reduced grinding time per ton
- Higher separator efficiency due to improved dispersion
- Easier achievement of the desired cement fineness
- Reduced agglomeration energy of cement and ground slag
- Cost savings due to lower power consumption per ton
- Increased early and final strength
- Improved powder flow characteristics and easier discharge of silos
- Temperature resistant up to 150° C
- Improves workability of concrete

CERTIFICATES AND TEST REPORTS

SikaGrind®-710 is produced under quality management systems according to ISO 9001.

PRODUCT INFORMATION

Composition	Amines and inorganic components.
Packaging	1000 L IBC Bulk deliveries
Shelf life	At least 12 months in undamaged, unopened and sealed original containers.
Storage conditions	Stored at temperatures between 5° C and 35° C. Protect from frost, direct sunlight and contamination. When delivered in bulk, the tanks and equipment used must be free from contaminants.
Density	1.23 ± 0.2 kg/L at +20° C
pH-Value	10.0 ± 1.0

APPLICATION INFORMATION

Recommended dosage	Typical dosage rates of SikaGrind®-710 are between 200 mL - 800 mL per ton of total feed. The optimum dosage must be pre-determined in laboratory tests, followed by plant trials before full production. Factors such as the properties of clinker, type of cement and other plant variables may influence the final dosage and performance of the product. For consistent results, SikaGrind®-710 must be accurately dispensed.
Dispensing	▪ SikaGrind®-710 must be accurately dispensed using dosage pumps with adjustable flow rates. ▪ The dosing pump and feed pipes or hoses must be checked regularly to prevent blockages.
Compatibility	Cement and supplementary cementitious materials produced with SikaGrind®-710 are compatible in concretes produced with all commercial admixtures including air entrainers, water reducers, retarders and superplasticisers.. The performance of concrete admixtures is not adversely affected by the use of SikaGrind®-710.

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 declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product 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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