



PRODUCT DATA SHEET

SikaGrind®-721

GRINDING AID AND QUALITY IMPROVER FOR THE PRODUCTION OF CEMENT



PRODUCT DESCRIPTION

SikaGrind®-721 is a liquid additive with strength-enhancing properties. SikaGrind®-721 has been specifically developed to obtain cements with strongly increased early and final strength.

WHERE TO USE

SikaGrind®-721 is used in the grinding of cement to:

- Increase production rate
- Increase early and late strength of cement

CHARACTERISTICS / ADVANTAGES

SikaGrind®-721 provides the following advantages in the cement production:

- Less accumulation of material on grinding equipment (grinding balls and mill)
- Higher efficiency of the 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
 - Cost savings due to lower power consumption per ton
- SikaGrind®-721 gives the following advantages to the finished cement:
- Increased early and final strength
 - Improved powder flow characteristics and easier discharge of silos

ENVIRONMENTAL INFORMATION

Conformity with LEED®v4 MR Credit (Option 1): Building Product Disclosure and Optimization – Environmental Product Declarations

PRODUCT INFORMATION

CSC MasterFormat®	03 05 00
Packaging	1040 L IBC Bulk delivery upon request
Shelf Life	1 year in original unopened container.
Storage Conditions	Store dry, at temperatures between +5 °C and +35 °C (41 °F and 95 °F). Protect from freezing, direct sunlight and contamination. Note: When delivered in bulk, the tanks and equipment used must be free from contaminants.
Appearance / Colour	Liquid / Clear yellowish

Density	1.047
Viscosity	20 to 50 Cps
pH-Value	10.5 to 12.5

APPLICATION INFORMATION

Recommended Dosage	Typical dosage rates of SikaGrind®-721 are between 0.2-0.5 kg per tonne of cement (0.02-0.05 % of total weight = cement clinker + additions). The optimum dosage, which changes according to the properties of each clinker source, type of cement and other plant variables, should be determined in plant trials according to the desired properties of the cement. For consistent results, SikaGrind®-721 must be accurately dispensed.
Compatibility	Cements treated with SikaGrind®-721 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®-721.

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

ENVIRONMENT, HEALTH & SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

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 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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca

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