

PRODUCT DATA SHEET

SikaGrind®-729 Activator

Grinding and performance-enhancing additive for cement

PRODUCT DESCRIPTION

SikaGrind®-729 Activator is a grinding aid designed for the grinding and activation of cement.

WHERE TO USE

SikaGrind®-729 Activator is recommended for use in the production of all types of cement where increased early and late strengths are desired without compromising mill efficiency or separator performance. It is particularly effective in:

- High-performance cement requiring improved strength development
- Grinding processes utilizing modern separators and high-efficiency cement mills
- Plants aiming to enhance overall grinding productivity and cement quality

CHARACTERISTICS / ADVANTAGES

- Liquid formulation for easy product distribution during cement production
- Improves the grinding process
- Increased strength development at early and late ages
- Compatible with cement and concrete admixtures
- Does not separate or settle in dosing systems
- Does not cause discolouration at the surface of concrete

PRODUCT INFORMATION

Packaging	1040 L IBC Bulk delivery upon request
Appearance / Colour	Liquid - Colourless to yellow
Shelf Life	12 months in unopened original packaging, under recommended storage conditions.
Storage Conditions	The product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +5 °C and +35 °C. Note: When delivered in bulk, the storage tanks, pumps and other related dispensing equipment used must be free from contaminants.
Density	1.220 ± 0.030
pH-Value	10.0 ± 1.5

APPLICATION INFORMATION

Recommended Dosage

Typically between 500 and 1500 grams per tonne of cement

Note: The optimum dosage should be determined by industrial trials.

Compatibility

Cements produced with SikaGrind®-729 Activator 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 this Product

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.

DISPENSING

SikaGrind®-729 Activator is added on the clinker feed shortly before the mill entrance or directly into the grinding mill. The grinding aid must be accurately dispensed using dosage pumps with adjustable flow rates.

Remarks: If separation of the liquid solution occurs, mix intensely before using. The dosing pump and feed pipes / hoses must be checked regularly to avoid blockages.

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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