

PRODUCT DATA SHEET

SikaGrind®-728 Slag Booster

GRINDING AID FOR THE PRODUCTION OF SLAG CEMENT

PRODUCT DESCRIPTION

SikaGrind®-728 Slag Booster is a chloride-free liquid grinding aid designed for the grinding and activation of slag cement.

WHERE TO USE

SikaGrind®-728 Slag Booster allows the replacement of clinker with slag, increasing the early and late strength while maintaining performance of cement. It optimizes the efficiency of modern separators and cement mills.

CHARACTERISTICS / ADVANTAGES

- Liquid formulation for easy product distribution during cement production
- Improves the grinding process
- Allows for economic and sustainable cement design with clinker replacement by slag
- Increased strength development at early and late ages
- Improved workability of concrete
- Compatible with cement and concrete admixtures
- Does not separate or settle in dosing systems
- Does not clog feed pipes / hoses
- Temperature-resistant up to +150 °C
- Does not cause discolouration at the surface of concrete
- Easy to handle and use

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	Store indoors on a containment tray, protected from direct sunlight and frost. 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	11.0 ± 1.5
Total Chloride Ion Content	≤ 0.1 %

APPLICATION INFORMATION

Recommended Dosage

Typically between 500 and 1500 grams per tonne of cement

Note: The optimum dosage should be determined by industrial trials. SikaGrind®-728 Slag Booster should be added onto the feed belt of the material before entering the mill, or directly inside the mill. Dosing must be carried out using pumps suitable for the expected flow rates. For consistent results, SikaGrind®-728 Slag Booster must be accurately dispensed.

Compatibility

Cements produced with SikaGrind®-728 Slag Booster 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®-728 Slag Booster is added on the clinker feed shortly before the mill entrance or directly into the grinding mill. SikaGrind®-728 Slag Booster 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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