



## PRODUCT DATA SHEET

# SikaGrind®-751 Activator

### GRINDING AID FOR THE PRODUCTION OF SLAG CEMENT

#### PRODUCT DESCRIPTION

SikaGrind®-751 Activator is a liquid grinding aid specifically developed for the production of Slag Cement.

#### WHERE TO USE

SikaGrind®-751 Activator 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

- The liquid formulation is easily added during cement production
- Improves the grinding process
- Economic and ecologic 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 plants
- Does not clog feed pipes / hoses
- Temperature-resistant up to +150 °C
- Does not cause discolorations at the surface of concrete
- Easy to handle and use

#### ENVIRONMENTAL INFORMATION

Lower carbon footprint through reduction of cementitious materials.

#### PRODUCT INFORMATION

|                           |                                                                                                                                                                                                                                    |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CSC MasterFormat®</b>  | 03 05 00                                                                                                                                                                                                                           |
| <b>Packaging</b>          | 1040 Litre IBC<br>Bulk                                                                                                                                                                                                             |
| <b>Shelf Life</b>         | 1 Year                                                                                                                                                                                                                             |
| <b>Storage Conditions</b> | The product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +5 °C and +35 °C.<br>Note: When delivered in bulk, the tanks and equipment used must be free from contaminants. |
| <b>Specific Gravity</b>   | 1.133 Kg/L +/- 0.100                                                                                                                                                                                                               |

## APPLICATION INFORMATION

### Recommended Dosage

Typical dosage rates of SikaGrind®-751 Activator are between 0.8 - 2.0 kg per tonne of cement (~0.08-0.20% of total weight = cement clinker + additions). 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.

### Mixing

Note:

- If separation of the liquid solution occurs, mix intensely before using. The Product must be accurately dispensed using dosage pumps with adjustable flow rates.
- The dosing pump and feed pipes / hoses must be checked regularly to avoid blockages.
- The Product is added on the clinker feed shortly before the mill entrance or directly into the grinding mill.

### Compatibility

Cements produced with SikaGrind®-751 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.

## 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](http://www.sika.ca)

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#### Other locations

Boisbriand (Quebec)  
Brantford; Cambridge;  
Sudbury; Toronto (Ontario)  
Edmonton (Alberta)  
Surrey (British Columbia)

#### Product Data Sheet

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