

PRODUCT DATA SHEET

SikaGrind®-270

GRINDING AID

PRODUCT DESCRIPTION

SikaGrind®-270 is a cost effective non-chloride based grinding aid for portland cement and other hydraulic cements.

USES

SikaGrind®-270 is a very effective dispersant providing neutralization of electrical charges resulting in separation of the cement particles.

CHARACTERISTICS / ADVANTAGES

SikaGrind®-270 provides the following benefits in the production of cement:

- Improved grinding efficiency,
- Reduced relative energy consumption,
- Improved production rate,
- Improved dispersion resulting in improved separation efficiency,
- Reduced particle fraction > 32µ in ground cement,

- Improved cement particle size distribution,
- Reduced re-agglomeration of cement particles,
- Reduced accumulation of material on grinding equipment (grinding balls and mill),
- Reduced issues with "plugging".

SikaGrind®-270 provides improved flow characteristics in the finished cement resulting in the following benefits:

- Reduced handling costs especially on pneumatic conveyor systems,
- Easier discharge of silos,
- Improved self-leveling of cement in silos.

ENVIRONMENTAL INFORMATION

SikaGrind®-270 improves grinding efficiency reducing energy consumption and the environmental impact of the cement production process.

For further information, please visit:
<https://usa.sika.com/en/sustainability.html>

PRODUCT INFORMATION

Packaging	Available in 275-gallon (1040-liter) totes and bulk delivery.
Shelf Life	Shelf life when stored in original packaging in dry warehouse conditions between 40°F and 80°F (5-27°C) is one year from the date of manufacture.
Storage Conditions	SikaGrind®-270 should be stored above 40°F (5°C). Protect from freezing and direct sunlight.
Appearance / Color	Clear Liquid
Specific gravity	Approx. 1.240

APPLICATION INFORMATION

Recommended Dosage

The dosage rate of SikaGrind®-270 will vary based on the desired characteristics of each cement. The typical range will vary between 0.02-0.08% by weight of cement for Type II, I & II cements and between 0.03-0.09% by weight of cement for Type III cements. Full-scale cement mill tests should be conducted to determine the required dosage for optimum performance. A trained Sika representative is available to assist in dosage calculations and mill test evaluations.

Mixing

SikaGrind®-270 should be dispensed as received. SikaGrind®-270 must be accurately dispensed to ensure consistent results. Proper dispensing equipment with adjustable flow rates should be used for optimum performance.

SikaGrind®-270 may be added onto the clinker conveyor belt or sprayed into the mills first compartment. A Sika representative is available to assist with recommendations on your mill system.

Note: The end of the dispensing tube/hose shall be checked and cleaned periodically to ensure it is not blocked and the proper amount of grinding aid is being added.

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates (“SIKA”), the user must always read and follow the warnings and instructions on the product’s most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA’s Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product’s shelf life. User determines suitability of product for intended use and assumes all risks. User’s and/or buyer’s sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS**

**PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT
OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD
BY OTHERS.**

Sale of SIKA products are subject to the Terms and
Conditions of Sale which are available at
<https://usa.sika.com/en/group/SikaCorp/termsandconditions.html>
or by calling 1-800-933-7452.

Sika Corporation

201 Polito Avenue
Lyndhurst, NJ 07071
Phone: +1-800-933-7452
Fax: +1-201-933-6225
usa.sika.com



Product Data Sheet

SikaGrind®-270
September 2024, Version 01.01
021407021000000289

SikaGrind-270-en-US-(09-2024)-1-1.pdf

