

PRODUCT DATA SHEET

SikaGrind®-800 CC-A

CEMENT ADDITIVE FOR THE PRODUCTION OF LIMESTONE CALCINED CLAY CEMENT (LC3)

PRODUCT DESCRIPTION

SikaGrind®-800 CC-A is a non-chloride liquid cement additive specifically developed for the production of Limestone Calcined Clay Cement (LC3).

USES

SikaGrind®-800 CC-A is used to reduce the water demand of LC3 and optimize the efficiency of modern separators and cement mills.

CHARACTERISTICS / ADVANTAGES

SikaGrind®-800 CC-A provides the following benefits in the production of LC3:

- Improved grinding efficiency,
- Reduced relative energy consumption,
- Improved production rate.

When used in concrete, LC3 produced with the use of SikaGrind®-800 CC-A results in improved workability and increased strength development at all ages.

ENVIRONMENTAL INFORMATION

SikaGrind®-800 CC-A improves water demand of LC3 and the grinding efficiency of the mill, which reduce water and energy consumption and the environmental impact of the LC3 production.

For further information, please visit:

<http://usa.sika.com/en/sustainability.html>

PRODUCT INFORMATION

Packaging	Available in 55-gallon (208-liter) drums, 275-gallon (1040-liter) totes, and bulk delivery.
Appearance / Color	Light Brown Liquid
Shelf Life	Shelf life when stored in original packaging in dry warehouse conditions between 40°F and 95°F (5-35°C) is one year from the date of manufacture.
Storage Conditions	SikaGrind®-800 CC-A should be stored above 40°F (5°C). Protect from freezing and direct sunlight.
Density	Approx. 1.118

APPLICATION INFORMATION

Recommended Dosage	The dosage rate of SikaGrind®-800 CC-A will vary based on the desired characteristics of each cement. The typical range will vary between 0.15% - 0.30% by weight of total cement and cementitious material. Laboratory-scale tests and 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	<p>SikaGrind®-800 CC-A must be mixed until homogenized, and accurately dispensed to ensure consistent results. SikaGrind®-800 CC-A 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 the mill system.</p> <p>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 cement additive is being added.</p> <p>Compatibility: Cements produced with SikaGrind®-800 CC-A are compatible in concrete mixes utilizing commercial admixtures. The performance of concrete admixtures is not adversely affected by the use of SikaGrind®-800 CC-A. Contact your local Sika representative for more information on compatibility.</p>
Equipment	SikaGrind®-800 CC-A must be mixed before use with clean mixing equipment to prevent contamination. Proper dispensing equipment with adjustable flow rates should be used for optimum performance.

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.

OTHER RESTRICTIONS

See Legal Disclaimer.

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.

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Product Data Sheet

SikaGrind®-800 CC-A
March 2025, Version 01.01
021407021000000738

SikaGrind-800CC-A-en-US-(03-2025)-1-1.pdf

