

PRODUCT DATA SHEET

SikaCem[®]-193 CS Guard

Colloidal silica concrete sealer that produces a dense surface with superior hardness, enhanced gloss, and slip resistance

PRODUCT DESCRIPTION

SikaCem[®]-193 CS Guard provides hardening properties along with reflective gloss and shine. SikaCem[®]-193 CS Guard penetrates deep into the surface, increasing long-term performance. SikaCem[®]-193 CS Guard forms an insoluble chemical bond to produce a dense, hardened sealed surface, enhanced gloss, and slip resistance.

USES

- Sealing interior new concrete
- Interior decorative concrete
- Polished concrete
- Institutional facilities
- Retail showroom
- Industrial floor slabs

CHARACTERISTICS / ADVANTAGES

- Produces a refined surface with a highly reflective gloss
- Enhances and protects integral color decorative surfaces
- Superior hardness increases life expectancy of the concrete surface
- High abrasion resistance reduces surface wear and increases project life expectancy
- Reduces surface permeability
- Dust proof, non-marking, and easy to clean
- Resistant to blushing and does not yellow, chip, peel, or flake with age or exposure
- Fast drying and quick curing

APPROVALS / STANDARDS

- ASTM E96/E96M-10 - Standard Test Methods for Water Vapor Transmission of Materials
- ASTM C944/C944M-19 - Standard Test Method for Abrasion Resistance of Concrete or Mortar Surfaces by the Rotating-Cutter Method
- ASTM C779/C779M-12 - Standard Test Method for Abrasion Resistance of Horizontal Concrete Surfaces
- ASTM C1583/C1583M-20 - Standard Test Method for Tensile Strength of Concrete Surfaces and the Bond Strength or Tensile Strength of Concrete Repair and Overlay Materials by Direct Tension (Pull-off Method)
- USDA Compliant
- FDA Approved

PRODUCT INFORMATION

Chemical Base	Colloidal Silica
Packaging	5 gal. (18.9 L) fill in 5 gal. (18.9 L) plastic pail

Shelf Life	24 months in original unopened container
Storage Conditions	Do not break the seal until SikaCem®-193 CS Guard is ready for use. Maintain unused SikaCem®-193 CS Guard in the original container. Store in a well-ventilated, cool, dry location and maintain temperatures between 40-100°F (4.4-37.8°C). Do not freeze.

APPLICATION INFORMATION

Coverage	Coverage rate will vary depending on the porosity and texture of the concrete surface.	
	Application Rate	2,000 sq. ft./gal. (49.1 sq. m/L)
	Applications Required	2
Drying Time	At 70°F (21.1°C), 77% Relative Humidity:	
	Foot Traffic	1 hour
	Car Traffic	6-10 hours

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.

LIMITATIONS

- SikaCem®-193 CS Guard is for interior use only.
- The concrete refinement process requires three separate products for best results.
- Do not dilute or blend with other products.

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.

APPLICATION INSTRUCTIONS

Concrete refinement is a process requiring the use of three separate products that include SikaCem®-191 CS Cutter, SikaCem®-192 CS Densifier, and SikaCem®-193 CS Guard. The products must be used together to attain the desired results. SikaCem®-193 CS Guard is designed for use during the final sealing stage of concrete refinement.

SURFACE PREPARATION

Dust mop the surface with a non-treated dust mop. Follow by auto-scrubbing the surface with clean water and allow it to dry.

APPLICATION

1. Apply a thin coat of SikaCem®-193 CS Guard to the surface using a low-pressure sprayer and a microfiber mop. Do not over apply.
2. Allow 30 minutes for the first coat of SikaCem®-193 CS Guard to dry to the touch.
3. Burnish with a high speed burnisher and a black stripping pad.
4. Apply a second thin coat of SikaCem®-193 CS Guard to the surface using a low-pressure sprayer and a microfiber mop. Do not over apply.
5. Allow 30 minutes for the second coat of SikaCem®-193 CS Guard to dry to the touch.
6. Burnish with a high speed burnisher and a black stripping pad.

CLEANING OF TOOLS

Clean sprayers and microfiber mop with warm soapy water following use.

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.

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Product Data Sheet

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