



PRODUCT DATA SHEET

SikaCem[®]-192 CS Densifier

Ready to use colloidal silica concrete densifier that creates a dust proof and industrially hard concrete surface

PRODUCT DESCRIPTION

SikaCem[®]-192 CS Densifier creates a dust proof and industrially hard concrete surface in a single application. Its proprietary chemical composition sets itself apart from other more conventional systems or products in this space. SikaCem[®]-192 CS Densifier allows for minimal downtime and can be sprayed on and left to dry as is.

USES

- Colored hard troweled concrete
- Interior or exterior use
- Concrete that will receive a subsequent floor covering
- Polished concrete
- Institutional applications
- Retail and commercial applications
- Industrial applications

CHARACTERISTICS / ADVANTAGES

- Extremely hydrophobic when dry
- Enhances colored and dyed concrete
- Superior hardness increases life expectancy of the concrete surface
- Protects against efflorescence
- Does not peel or create a film

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 seal until SikaCem [®] -192 CS Densifier is ready for use. Maintain unused SikaCem [®] -192 CS Densifier 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	<u>Application Rate</u>	<u>400-600 sq. ft./gal. (9.8-14.7 sq. m/L)</u>
	<u>Applications Required</u>	<u>1</u>
Drying Time	At 70°F (21.1°C), 77% Relative Humidity:	
	<u>Foot Traffic</u>	<u>1 hour</u>
	<u>Car Traffic</u>	<u>6-10 hours</u>

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®-192 CS Densifier is incompatible with strong oxidizers and strong acids.
- 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®-192 CS Densifier is designed for use after all mechanical cutting stages of the concrete are complete.

Densify with SikaCem®-192 CS Densifier either before a 400 grit semi metal or after. If you choose to densify after the 400 grit semi metal, make sure that all of the silica is removed from the surface prior to use of your first dry tool. The surface must be completely dry before using the first dry tool.

MIXING

SikaCem®-192 CS Densifier is ready to use and requires no blending or dilution. Mild agitation is recommended before usage.

APPLICATION

1. Using a high-volume, low-pressure, commercial grade pump up sprayer, apply SikaCem®-192 CS Densifier uniformly onto the slab surface at the recommended coverage rate.
2. Work the product into the surface using a soft bristled broom and keep the surface wet with SikaCem®-192 CS Densifier for a minimum of 30 minutes. Apply additional SikaCem®-192 CS Densifier as needed to maintain surface saturation.
3. Allow SikaCem®-192 CS Densifier to air dry.

After completing application of SikaCem®-192 CS Densifier, prepare for application of SikaCem®-193 CS Guard. Consult most current SikaCem®-193 CS Guard local Product Data Sheet for complete Application Instructions.

CLEANING OF TOOLS

Clean sprayers 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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