

PRODUCT DATA SHEET

SikaCem[®]-101 Cureseal H2O

Clear water-based, VOC compliant, non-yellowing, curing and sealing compound for newly poured and existing concrete surfaces

PRODUCT DESCRIPTION

SikaCem[®]-101 Cureseal H2O is a clear water-based, VOC compliant, non-yellowing, curing, and sealing compound for newly poured and existing concrete surfaces. Previously named Clear Guard[®] H2O PLUS+ Water-Based Cure and Seal and SCOFIELD[®] Cureseal-W[™].

USES

- Formulated for curing and sealing uncolored concrete, integrally colored concrete, color hardened concrete, stained, stamped or stenciled concrete, and cementitious overlays
- Residential or commercial projects
- Interior floors, exterior hardscapes, and vertical surfaces
- Can be applied to old concrete, terrazzo, brick, and masonry tiles to minimize dusting and provide improved stain and chemical resistance

CHARACTERISTICS / ADVANTAGES

- 25% solids clear water-based cure & seal
- Easy application
- Dries to a clear, semi-gloss, non-yellowing, UV resistant film
- Permeable film allows moisture in cured concrete to evaporate
- Visually enhances the concrete color
- Protects the surface from dirt and staining
- Minimizes the effects of de-icing salts
- Improves the surface strength, abrasion resistance, and durability of the concrete

APPROVALS / STANDARDS

- Meets the moisture retention properties of the below standards when applied at the recommended coverage rate:
 - ASTM C309-19 - Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete
 - Type 1, Class B
 - AASHTO M 148 - Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete
 - Navdock 13 YF
 - CRD-C300-90 - Corp Of Engineers Specifications For Membrane-Forming Compounds For Curing Concrete
- Complies with VOC (<100 g/l) requirements and other Federal and State Air Quality Regulations

PRODUCT INFORMATION

Chemical Base

Aqueous Acrylic Polymer

Packaging	1 gal. (3.8 L) fill in 1 gal. (3.8 L) plastic jug 5 gal. (18.9 L) fill in 5 gal. (18.9 L) plastic pail 275 gal. (1041 L) fill in 275 gal. (1041 L) caged IBC tote
Shelf Life	24 months in original unopened container
Storage Conditions	Store in original, unopened containers, in dry storage, at temperatures between 60-80°F (15.6-26.7°C). Do not freeze.

TECHNICAL INFORMATION

Chemical Resistance	SikaCem®-101 Cureseal H2O provides 24-hour spot stain resistance to the following chemicals with little, if any, coating effect: <ul style="list-style-type: none"> ▪ Antifreeze ▪ De-icing salts ▪ Foods ▪ Fruit juices ▪ Vegetable oil ▪ Calcium chloride ▪ Sodium chloride <p>A test application should be made on the job site concrete to determine the chemical and stain resistance of SikaCem®-101 Cureseal H2O.</p>
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APPLICATION INFORMATION

Coverage	Coverage rates vary with surface texture and porosity, ambient and surface temperatures, and method of application. The following coverage rates are approximate. <p>Broom Finished Concrete:</p> <table border="1"> <tr> <td>Curing</td> <td>200 sq. ft./gal. (4.9 sq. m/L)</td> </tr> <tr> <td>Sealing</td> <td>200-400 sq. ft./gal. (4.9-9.8 sq. m/L)</td> </tr> </table>	Curing	200 sq. ft./gal. (4.9 sq. m/L)	Sealing	200-400 sq. ft./gal. (4.9-9.8 sq. m/L)		
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Ambient Air Temperature	45-95°F (7-35°C)						
Relative Air Humidity	Less than 75%						
Dew Point	62°F (16.7°C) or lower for a minimum of 6 hours after product application						
Drying Time	At 70°F (21.1°C), 50% Relative Humidity: <table border="1"> <tr> <td>Tack Free</td> <td>1 hour</td> </tr> <tr> <td>Light Foot Traffic</td> <td>6-8 hours</td> </tr> <tr> <td>Car Traffic</td> <td>72 hours</td> </tr> </table>	Tack Free	1 hour	Light Foot Traffic	6-8 hours	Car Traffic	72 hours
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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

- Do not use SikaCem®-101 Cureseal H2O on concrete slabs with inadequately drained sub-grade and/or surfaces subject to hydrostatic water pressures.
- Do not use in swimming pools, fountains, or ponds.
- Do not use on surfaces that will have direct food contact.
- Do not use for re-coating or in conjunction with other floor sealers, treatments, bond breakers, or adhesives without prior testing to determine compatibility and adhesion.
- Do not apply solvent-based sealers over SikaCem®-101 Cureseal H2O.
- Do not use to fill or repair cracks in the substrate.
- Do not use SikaCem®-101 Cureseal H2O if it has been frozen.
- Do not over-apply material or allow to collect in joints,

texture imprints, or other surface impressions. Excess material may whiten permanently and lose adhesion.

- Do not use SikaCem®-101 Cureseal H2O with SikaCem®-800 Clear Liquid Release or mineral spirits.

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

MIXING

Premix SikaCem®-101 Cureseal H2O before using. Do not dilute.

APPLICATION

SikaCem®-101 Cureseal H2O may be applied using a roller, hand pump sprayer, or an airless sprayer. If using a roller, a non-shed roller with 1/4-1/2 in. (6.4-12.7 mm) nap length is recommended. The nap length of the roller will depend on the surface porosity and texture of the concrete.

When using a sprayer, apply material with a fan pattern nozzle. Maintain a wet edge and avoid excessive overlaps of material. Care must be taken to protect adjacent areas from overspray.

When used as a cure coat or as an initial seal coat, if additional protection or gloss is required, an additional coat may be applied 12-24 hours after the cure coat or seal coat has dried.

New Concrete: Uncolored, Integrally Colored, Color Hardened

Apply SikaCem®-101 Cureseal H2O immediately following final finishing and after the slab is firm enough to walk on without damage. Do not apply if bleed water is present. Apply to vertical surfaces immediately following form removal. Avoid runs or puddles and over application. To achieve maximum sealing and dust-proofing benefits, a second application should be made a minimum of two weeks after the initial application. Surfaces to be retreated should be clean and dry. Apply in a continuous wet surface film.

New Stamped, Textured, or Stenciled Concrete

After concrete has been stamped or textured using SikaColor®-300 Antiquing Release or SikaColor®-340 SG Antiquing Release, thoroughly remove the residual release powder by washing and scrubbing. The concrete

should be allowed to dry thoroughly before applying SikaCem®-101 Cureseal H2O.

Existing Concrete and Overlays

Adequately remove accumulations of grease, oil residue, incompatible curing or sealing compound residue, and other substances that would diminish adhesion. Wash surfaces thoroughly. Allow the surface and joints to adequately dry before applying SikaCem®-101 Cureseal H2O. Smooth troweled interior floors will require mechanical preparation to ensure proper penetration and adhesion. Surfaces that resist penetration and immediate darkening with water, is an indication that surface preparation is required. Rough, porous, and deeply textured surfaces will require multiple applications to ensure the formation of a protective film, without pinholes or holidays.

New Overlays

Interior floors and exterior hardscapes that have been resurfaced should be cured 12-24 hours after installation at 70°F (21.1°C) before applying SikaCem®-101 Cureseal H2O.

CLEANING OF TOOLS

Promptly clean application equipment with soap and water following use.

MAINTENANCE

Periodically inspect cured and sealed surfaces for wear or damage. All concrete curing and sealing compounds will eventually exhibit the effects of weathering and traffic. For maximum coating life and performance, wipe up all chemical solvent or petroleum spills as soon as possible. Remove abrasive debris by sweeping or vacuuming. Do not drag, drop, or place sharp edges on sealed surfaces. Periodic washings with mild detergents will help maintain surface luster. Do not use solvent or acid-based cleaning materials for general cleaning. Hot car tires or turning tires while car is stationary may damage the sealer.

Interior Floors

Regularly clean by dry and wet mopping. Periodically machine scrub, rinse, and wet vacuum the surface. Apply a maintenance wax or slip resistant wax as directed by the wax manufacturer. This type of periodic maintenance will greatly enhance the appearance of the floor and minimize the need to strip and/or reapply the sealer.

OTHER RESTRICTIONS

See Legal Disclaimer.

Product Data Sheet

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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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