

PRODUCT DATA SHEET

SikaCem[®]-100 Silane PRO 350[®]

Solvent-based non-yellowing, curing, and sealing compound for newly poured and existing concrete surfaces that is formulated for use in regions that require 350 g/l VOC

PRODUCT DESCRIPTION

SikaCem[®]-100 Silane PRO 350[®] is a solvent-based, non-yellowing, curing, and sealing compound for newly poured and existing concrete surfaces. SikaCem[®]-100 Silane PRO 350[®] is formulated for use in regions that require 350 g/l VOC.

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
- 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

- For exterior use only
- Improved adhesion
- Less than 350 g/l VOC
- 25% solids clear solvent-based cure & seal
- Easy application
- Dries to a clear, high gloss, non-yellowing, UV-resistant film
- The permeable film allows moisture in cured concrete to evaporate
- Improved colorant acceptance
- Visually enhances the concrete color
- Protects the surface from dirt and staining
- Improved weathering
- Minimizes the effects of de-icing salts and exposure to gas or oil
- 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
 - AASHTO M 148 - Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete
 - ASTM C1315-19 - Standard Specification for Liquid Membrane-Forming Compounds Having Special Properties for Curing and Sealing Concrete
- Complies with most VOC (350 g/l) requirements and other Federal and State Air Quality Regulations. Be sure to check the VOC requirements in your area before use.

PRODUCT INFORMATION

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| Chemical Base | Solvent-Based |
| Packaging | 1 gal. (3.8 L) fill in 1 gal. (3.8 L) steel can 5 gal. (18.9 L) fill in 5 gal. (18.9 L) steel pail 55 gal. (208.2 L) fill in 55 gal. (208.2 L) steel drum |
| Shelf Life | 60 months in original unopened container |
| Storage Conditions | Store in original, unopened containers in dry storage. If SikaCem®-100 Silane PRO 350® is stored in temperatures below 30°F (-1.1°C), it can become thick and unusable. Usability can be restored by taking the material to warmer temperatures, usually above 60°F (15.6°C). |

TECHNICAL INFORMATION

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| Chemical Resistance | <p>SikaCem®-100 Silane PRO 350® provides 24-hour spot stain resistance to the following chemicals with little, if any, coating effect:</p> <ul style="list-style-type: none">▪ Antifreeze▪ De-icing salts▪ Foods▪ Fruit juices▪ Vegetable oil▪ Vegetable extracts▪ Diesel fuel▪ Petroleum oil▪ Ethanol▪ Power steering fluid▪ 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®-100 Silane PRO 350®.</p> |
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APPLICATION INFORMATION

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| Coverage | <p>Coverage rates vary with surface texture and porosity, ambient and surface temperatures, and application methods. The following coverage rates are approximate:</p> <p>Broom Finished Concrete:</p> <table><tr><td>Curing</td><td>300 sq. ft./gal. (7.4 sq. m/l)</td></tr><tr><td>Sealing</td><td>300-400 sq. ft./gal. (7.4-9.8 sq. m/l)</td></tr></table> <p>Avoid excessive build-up, particularly in the depressed textures and grout joints of stamped or stenciled concrete, hand-tooled, or saw-cut joints. Thicker applications may lead to discoloration and diminished sealer performance. Wipe up or brush out excessive material before the film becomes tacky.</p> | Curing | 300 sq. ft./gal. (7.4 sq. m/l) | Sealing | 300-400 sq. ft./gal. (7.4-9.8 sq. m/l) |
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| Ambient Air Temperature | 50-85°F (10-29.4°C) | | | | |
| | Do not apply below 50°F (10°C) or when such temperatures are expected within 72 hours following application. | | | | |
| Substrate Temperature | 50-85°F (10-29.4°C) | | | | |

Drying Time

Drying times will vary depending on wet film thickness, surface texture and porosity, ambient and surface temperatures, humidity, and if the product is used as a cure or seal coat.

At 70°F (21.1°C):

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| Tack Free | 1 hour |
| Light Foot Traffic | 6 hours |
| Light Car Traffic | 24 hours |
| Normal Car Traffic | 72 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

- For exterior use only
- Do not use on concrete slabs with inadequately drained subgrade 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 recoating or in conjunction with other floor sealers, treatments, bond breakers, or adhesives without an initial test to determine compatibility and adhesion.
- Do not use it to fill or repair cracks in the substrate.
- The longevity of SikaCem®-100 Silane PRO 350® depends upon the dried film thickness, exposure, and use 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.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

Control the environment to prevent condensation from forming on the surface before sealing and before the sealer becomes tack-free. If there are concerns with the quality of the color or finish of the concrete, do not apply SikaCem®-100 Silane PRO 350® until those concerns are adequately addressed.

APPLICATION

SikaCem®-100 Silane PRO 350® may be applied using a roller, hand pump industrial sprayer, or airless sprayer.

If a roller is used, apply only enough material so it may be rolled before the sealer becomes tacky. Do not attempt to roll the material once it becomes tacky. Also, if using a roller, a non-shed solvent-resistant 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. Spray equipment should be clean and in good working condition. Sprayer seals must be solvent resistant. Hand pump sprayers must be capable of delivering moderately viscous liquids in thin, even layers. SikaCem®-100 Silane PRO 350® shall be applied in two thin, even coats for best results. Care must be taken to protect adjacent areas from overspray.

New Concrete: Uncolored, Integrally Colored, Color Hardened

Apply SikaCem®-100 Silane PRO 350® as a curing agent 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. A second application shall be performed at least two weeks after the cure coat application to achieve maximum sealing and dust-proofing benefits. Surfaces to be retreated should be dry and clean. Apply in a continuous wet surface film. Application of SikaCem®-100 Silane PRO 350® over excessively smooth, hard-troweled surfaces may result in adhesion loss.

New Stamped, Textured, or Stenciled Concrete

After the concrete has been stamped using SikaColor®-300 Antiquing Release or SikaColor®-340 SG Antiquing Release, allow the concrete to cure for a minimum of 24 hours before the washing procedure begins. Thoroughly remove the residual release powder by washing and scrubbing. The concrete should be allowed to dry thoroughly before applying SikaCem®-100 Silane PRO 350®. If SikaCem®-800 Clear Liquid Release is used, do not apply SikaCem®-100 Silane PRO 350® until the surface has been washed and allowed to thoroughly dry. Consult most current SikaColor®-300 Antiquing Release,

SikaColor®-340 SG Antiquing Release, and SikaCem®-800 Clear Liquid Release local Product Data Sheets for complete Application Instructions.

Existing Concrete

Adequately remove accumulations of grease, oil residue, incompatible curing or sealing compound residue, and other substances that would diminish adhesion. Wash surfaces thoroughly. Allow surface and joints to dry adequately before applying SikaCem®-100 Silane PRO 350®. Very rough, porous, and deeply textured surfaces may require multiple applications to ensure the formation of a protective film without pinholes or holidays.

Do not apply sealers to concrete substrate with moisture levels > 6% mass (pbw – part by weight) as measured with Tramex® CME/CMEExpert type concrete moisture meter.

Low Gloss Finish

SikaCem®-100 Silane PRO 350® can be modified in the field to reduce the surface shine of the dried film with SikaCem®-100 Flattening Paste. Consult most current SikaCem®-100 Flattening Paste local Product Data Sheet for complete Application Instructions.

Tinting

SikaCem®-100 Silane PRO 350® can be tinted in the field with SikaColor®-401 Tint Cups. Consult the most current SikaColor®-401 Tint Cup local Product Data Sheet for complete Application Instructions.

CLEANING OF TOOLS

Promptly clean application equipment with xylene following use. Handle and dispose of cleaning residue properly.

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. Wipe up all chemical solvent or petroleum spills for maximum coating life and performance 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 the car is stationary may damage the sealer.

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

SikaCem®-100 Silane PRO 350®
December 2024, Version 03.01
02081511002000055

SikaCem-100SilanePRO350-en-US-(12-2024)-3-1.pdf

