

PRODUCT DATA SHEET

Sikagard[®]-300 KNS

(formerly MasterKure[®] CC 300 SB)

TRANSPARENT, MODIFIED ACRYLIC, SOLVENT-BASED, HIGH-GLOSS CURING, SEALING AND DUST-PROOFING COMPOUND

PRODUCT DESCRIPTION

Sikagard[®]-300 KNS is a transparent, 30% solids, solvent-based, modified acrylic curing membrane. Apply it to damp or dry surfaces to provide a high-gloss finish. It complies with ASTM C 1315, Type I, Class A.

USES

- Offices
- Warehouses
- Commercial buildings
- Interior or exterior

Substrates

- Concrete
- Decorative concrete

CHARACTERISTICS / ADVANTAGES

- Solvent-based for excellent blush/whitening resistance
- Ensures high curing efficiency allowing concrete to attain its full strength potential
- Reduces surface absorption and dusting of concrete for easier cleaning and maintenance
- Retains moisture in concrete to minimize shrinkage cracking
- VOC compliant for EPA
- Compatible with most carpet and tile adhesives
- Higher solids to yield a high-gloss finish
- Good UV resistance for retention of transparency
- Low viscosity to provide easier application at cool temperatures
- Abrasion-resistant to withstand foot traffic and provide extended wear
- Sprayable with a suitable pump-up canister sprayer

- Abrasion-resistant for extended wear
- Reduced fluid penetration to increase the stain resistance of concrete

APPROVALS / STANDARDS

Recommended for concrete floors as defined in Table 1.1, ACI Standard 302.1R

- Federal Specification TT-C-800A
- AASHTO M-148
- ASTM C 1315, Type 1, Class B
- USDA-compliant for use in meat and poultry areas when fully cured
- Corps of Engineers CRD-C-304, Type 1
- ASTM C 309, Type 1, Class A and B

PRODUCT INFORMATION

Chemical Base	Sikagard®-300 KNS is an acrylic polymer in a solvent carrier.
Packaging	Sikagard®-300 KNS: <ul style="list-style-type: none">▪ 5-gallon pails (18.9 L)▪ 55-gallon drums (208 L)
Shelf Life	18 months when properly stored.
Storage Conditions	Store in unopened containers in a clean, dry area between 35 and 85° F (2 and 29° C). Keep from freezing.
Color	Transparent
Solid content by mass	30%

TECHNICAL INFORMATION

Water retention	0.21kg/m ² (applied at 200 ft ² /gal)	Test requirement: ≤ 0.55kg/m ²	(ASTM C 309)
	0.32kg/m ² (applied at 300 ft ² /gal)	Test requirement: ≤ 0.4kg/m ²	(ASTM C 1315)

APPLICATION INFORMATION

Coverage	Curing only: 200 – 400 ft ² /gal(4.9 – 9.8 m ² /L) Second coat (dust proofing and sealing): 400 – 600 ft ² /gal (9.8 – 14.7 m ² /L) Coverage varies with the application method, texture, and porosity of the surface.
Drying Time	<ul style="list-style-type: none">▪ Times are based on temperatures of 65 to 85° F (18 to 29° C) at 50% relative humidity.▪ Light foot traffic or between coats: 4 hours▪ Normal traffic: overnight▪ Maximum hardness: 7 days▪ The material will take longer to dry at either higher humidity or lower temperatures.

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.

APPLICATION INSTRUCTIONS

- Sikagard®-300 KNS may settle and must be stirred thoroughly before and during application.
- Do not thin.
- Keep away from heat and open flame.
- Application is not recommended when surface temperatures exceed 120° F (49° C).
- For best appearance and performance, apply uniformly and at recommended coverage rates.
- If Sikagard®-300 KNS is to be applied in or near areas containing foodstuffs, they must be removed before application; do not return foodstuffs until Sikagard®-300 KNS has fully dried and all solvent vapors have dissipated.
- Heating Ventilation Air Conditioning (HVAC) units may draw solvent vapors into occupied building interiors. Solvent vapors can be irritating. Do not apply Sikagard®-300 KNS in or around buildings occupied by non-construction personnel without consulting building management and taking appropriate precautions. Use only with adequate ventilation and

- with a minimum of six air changes per hour.
- Do not apply to surfaces of joints to be caulked with sealants. Mask joints to avoid sealant-adhesion problems.
- Do not use on surfaces that are to receive concrete overlays or additional toppings or coatings.
- Not recommended as a release agent or where other sealers or treatments are to be later applied.
- Avoid excess moisture until the material is fully cured.
- Although Sikagard®-300 KNS is compatible with a variety of tile, carpet, and floor-covering adhesives, a test application is always recommended.
- Can be applied to natural or colored concrete, but mottling or discoloration may occur.
- May highlight features and imperfections of the concrete surface.
- Sikagard®-300 KNS is considered a light-duty sealer; may rubber burn when subjected to forklift or other wheeled traffic.
- Mechanical methods are recommended for removing Sikagard®-300 KNS.
- For professional use only; not for sale to or use by the general public.
- Make certain the most current versions of the product data-sheet and SDS are being used.
- Proper application is the responsibility of the user. Field visits by Sika personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

CLEANING OF TOOLS

Clean tools and equipment with SikaSwell®-990 immediately after use and while Sikagard®-300 KNS is still wet.

SUBSTRATE PREPARATION

1. Freshly placed concrete must be properly finished. The surface is application-ready when it is damp, but not wet, and when it cannot be marred by foot traffic.
2. Existing concrete surfaces should be thoroughly repaired and cleaned before application. The surface must be clean, dry, and free of dust, oil, grease, sealers, and all other surface contaminants that might inhibit the proper bond of material.

APPLICATION

1. Stir Sikagard®-300 KNS thoroughly before using.
2. Apply a continuous, uniform film with a short-nap roller or lamb's wool applicator. Spraying is not recommended.
3. For curing, one coat may be sufficient. However, two coats may be required in hot and windy conditions. Apply evenly and uniformly as soon as possible after final finishing.
4. To seal and dustproof, two coats are required. Apply the second coat when all trades have completed their work and the site is ready for occupancy.
5. Do not overapply or soak concrete surfaces with the curing compound. Do not allow the curing compound to pool on the surface. Over-application can result in alligatoring and mud cracking, whereby a film forms on the substrate before the material dries properly. Over-application may also cause opacity, as elements of the curing compound become trapped in the subsurface and cannot escape.

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.**

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Sika Corporation

201 Polito Avenue
Lyndhurst, NJ 07071
Phone: +1-800-933-7452
Fax: +1-201-933-6225
usa.sika.com



Product Data Sheet

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