

PRODUCT DATA SHEET

Sikagard[®]-180 KNS WB

(formerly MasterKure[®] CC 180WB)

WATERBORNE ACRYLIC CURING, SEALING, AND DUSTPROOFING COMPOUND

PRODUCT DESCRIPTION

Sikagard[®]-180 KNS WB is a modified acrylic-based liquid polymer. It is recommended for use on new or existing concrete floors as classified in ACI Guide 302, Table 1.1.

USES

- Interior and exterior
- Vertical and horizontal surfaces
- Curing freshly placed and finished concrete
- Sealing and dustproofing existing concrete

Substrates

- Concrete

CHARACTERISTICS / ADVANTAGES

- 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 and most regional jurisdictions
- Compatible with most carpet and tile adhesives

APPROVALS / STANDARDS

- Recommended for use on concrete floors as classified in Table 1.1, ACI Guide 302 • ASTM C 309, Type 1, Class A and B
- AASHTO M-148
- Corps of Engineers CRD-C-304, Type 1, Class A and B
- USDA compliant

PRODUCT INFORMATION

Chemical Base	Sikagard [®] -180 KNS WB is a modified-acrylic-based liquid polymer.
Packaging	<ul style="list-style-type: none"> ▪ 5-gallon (18.9 L) pails ▪ 55-gallon (208 L) drums
Shelf Life	15 months when properly stored
Storage Conditions	Store in unopened containers in a clean, dry area between 40°F and 85°F (4°C and 29°C). Keep from freezing.
Color	Milky white; dries clear
Solid content by volume	18%

TECHNICAL INFORMATION

Water retention	< 0.38 kg/m ² Test Requirement: ≤ 0.55 kg/m ² Test results are averages obtained under laboratory conditions. Expect reasonable variations.	(ASTM C 309)
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APPLICATION INFORMATION

Coverage	Curing only: 200–400 ft ² /gallon (4.9–9.8 m ² /L) Second coat (dustproofing and sealing): 400–600 ft ² /gallon 9.8–14.7 m ² /L) Recoating, dustproofing, and sealing: 200–300 ft ² /gallon (4.9 – 7.4 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 upon temperatures of 65 to 85° F (18 to 29° C) and 50% relative humidity.▪ Light foot traffic or between coats: 4 hours▪ Normal traffic: overnight▪ Maximum hardness: 7 days▪ 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.

LIMITATIONS

- For curing only, one coat may be sufficient; two coats will give best results. To seal and dustproof, two coats are required.
- Not recommended for use in colored dry-shake applications
- Keep from freezing.
- Do not apply when concrete surface or ambient temperature is below 40° F (4° C).
- Do not apply when surface temperature is above 120° F (49° C). • Not recommended as a release agent.
- Do not apply to surfaces of joints to be caulked with sealants. Mask joints to avoid sealant adhesion problems.
- Can be applied to natural or colored concrete, but mottling or discoloration may occur.
- May highlight features and imperfections of the concrete surface.
- Sikagard®-180 KNS WB must be fully dry before exposure to water or it may whiten.
- Although Sikagard®-180 KNS WB is compatible with a variety of carpet, vinyl tile and floor-covering adhesives, always conduct a test application before applying.
- Not intended for surfaces to receive concrete overlays or additional toppings, coatings, sealers or ceramic tile (without proper surface preparation).
- Sikagard®-180 KNS WB is considered a light-duty floor sealer; it may rubber burn when subjected to forklift or other wheeled traffic.
- If Sikagard®-180 KNS WB will be applied in or near areas containing foodstuffs, they must be removed before application.
- Extended exposure to moisture may result in a temporary opaque condition that clears upon drying.
- Only mechanical methods of removal are recommended.
- The small amount of solvent vapors released by Sikagard®-180 KNS WB may be objectionable to people unaccustomed to the odor; do not apply Sikagard®-180 KNS WB in or around buildings occupied by non-construction personnel without consulting building management.
- For professional use only; not for sale to or use by the

general public.

- Make certain the most current versions of product data sheet and SDS are being used; visit usa.sika.com to verify the most current versions.
- 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 job site.

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

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. Surface must be clean, dry and free of dust, oil, grease, sealers and all other surface contaminants that might inhibit proper bond of material.

APPLICATION

1. Thoroughly mix material in original container before applying.
2. Apply a continuous, uniform film by lowpressure spray only, short-nap roller or lamb's wool applicator.
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 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. Overapplication 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.

CLEANING OF TOOLS

Clean tools immediately after use with soap and warm water.

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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