

PRODUCT DATA SHEET

Sikafloor® WP-11.1

350 Polyurethane Sealer

PRODUCT DESCRIPTION

Low VOC polyurethane sealer formulated and recommended for application to bare wood to provide a sealed surface for finish coats.

USES

Sikafloor® WP-11.1 may only be used by experienced professionals.

New and existing wood sports floors in public and private schools, universities, professional arenas, and health clubs.

CHARACTERISTICS / ADVANTAGES

350 g/l VOC compliant, excellent film hardness, deep penetration into wood, light color

PRODUCT INFORMATION

Packaging	5 gallon pail.	
Appearance / Color	4 - 6	(ASTM D-1544)
Shelf Life	2 years in original unopened container under proper storage conditions.	
Storage Conditions	Store dry between 40° - 90°F (5° - 32°C).	
Solid Content	35 + 1%	(ASTM D-1644)
Solid content by weight	7.8 - 8.0 lbs.	(ASTM D-1475)
Volatile organic compound (VOC) content	<350 g/L	
	Flash Point: 110 - 115°F	(ASTM D-56)
Viscosity	20 - 50 cps	(ASTM D-1545)

TECHNICAL INFORMATION

Chemical Resistance Not recommended for or marketed as a topcoat.

Gloss Level (60°) 90+

APPLICATION INFORMATION

Coverage 300-500 square feet per gallon

Cure Time Allow the sealer to dry 6 - 24 hours before recoating. Seal with a second coat of Sikafloor WP-11.1. Adequate ventilation is imperative during the curing process. Dry times will vary bases upon the drying conditions. Do not apply when temperature is above 95°F or below 65 F, or when relative humidity is above 80%. Clean up with mineral spirits.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

Newly installed floors or sanded to bare wood

1. Screen the floor using #100 grit screens (250 sq. ft per side, 23m2).
2. Vacuum, then tack rag the floor with water.
3. Allow the floor to dry to a dull, glossless surface.

Seal coat application

1. With a conventional lambswool or foam applicator or weighted T-bar, seal the bare wood with Sikafloor WP-11.1.
2. Allow 6-24 hours dry with good ventilation for each coat. If cured over 24 hours, abrade with 120 grit screen.
3. Minimum of two coats of Sikafloor WP-11.1 is recommended.
4. Remove raised grain with a #120 grit screen, then tack rag with water.
5. Line marking paint can then be applied.

Line marking:

1. Before using paint every color should be tested for compatibility, not just brands.
2. Apply line markings between the second and third coats. Follow the directions on the paint label for application.
3. Lay out the court with masking tape as required and apply the paint.
4. To ensure crisp lines allow paint to dry 1-2 hours before pulling up the tape.
5. Allow the lines to dry per manufacturers directions.
6. Abrade the lines lightly with #120 grit screens following cure and prior to applying a finish coat.

MIXING

Lightly blend product prior to application. Do not introduce air bubbles. THIS PRODUCT IS DESIGNED TO BE USED AS IS. **DO NOT THIN OR REDUCE WITH SOLVENTS.**

APPLICATION

Over Painting

Apply line marking paint after the second seal coat.

Follow the directions on the paint label for application. Abrade the paint lines lightly with #120 grit screens following cure and prior to finishing.

Tooling & Finishing

With a conventional lambswool or foam applicator or weighted T - bar, apply Sikafloor WP-11.1 going with the grain. Do not puddle sealer. Allow the sealer to dry 6 - 24 hours before recoating. Seal with a second coat of Sikafloor WP-11.1.

MAINTENANCE

CLEANING

In case of spill, eliminate all ignition and heat sources. Ventilate area. Open doors and windows. Wear chemical resistant gloves/goggles/clothing. In absence of proper ventilation use properly fitted NIOSH respirator. Use explosion proof equipment and spark proof tools. Confine spill, collect using noncombustible absorbent material and place in properly sealed container. Dispose of excess product in accordance with applicable local, state and federal regulations.

AVAILABILITY/WARRANTY

SPONTANEOUS COMBUSTION: Dust created from screening oil based finishes and rags soaked with oil and dust can auto-ignite causing a fire. DO NOT store or throw away the dust and oil soaked rags into a closed vacuum or trash can. Immerse the dust in water and open the rags to air dry before discarding the waste. High temperatures, high humidity and freshly applied seal increase the potential for a fire.

1. Long term overexposure to solvents have been associated with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
2. In case of a spill absorb with inerts like sawdust or "oil dry" and wipe clean with Mineral Spirits. Dispose in accordance with local regulations.
3. Empty containers may contain product residue, including flammable or explosive vapors. Do not cut,

puncture, or weld on or near container.
 4. Technical Data Sheets are updated periodically. To ensure the most current version is being used, visit Technical Resources on www.sikafloorusa.com. Proper material application is the responsibility of the user. Site visits made by Sika personnel are for making technical recommendations only and not for supervising or providing quality control. Before applying for protection against specific chemical environments, consult Chemical Resistance Guide or Sika Technical Service.

Trouble Shooting

Problem Observed	Possible Causes
Slow Dry:	Low curing temperatures, High humidity, Lack of ventilation, and air movement after application.
Streaks:	Product applied too thin.
Fisheyes:	A foreign material on the surface, like oil, grease, or silicone.
Wrinkling:	Recoating too soon, Too heavy an application, puddling the finish.
Bubbling:	Overworking the product with applicator, shaking the finish before applying, High temperatures during application.
Peeling:	Improper floor preparation.
Dirt Particles:	Applicator Not "De-Fuzzed" loose fibers in the film, Room vents not sealed during the application.
Screen Marks:	Using a too aggressive screen between coats.

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.

OTHER RESTRICTIONS

See Legal Disclaimer.

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.

Caution

DANGER: FLAMMABLE, IRRITANT. Contains Stoddard Solvent (CAS 8052-41-3), Octamethylcyclotetrasiloxane (CAS 556-67-2) and 4-chloro-a,a,a-trifluorotoluene (CAS 98-56-6). **Keep away from heat, sparks, sunlight, electrical equipment, flame or other sources of ignition. VAPORS MAY IGNITE AND EXPLODE. DO NOT SMOKE.**

Use only in well ventilated areas. Open doors and windows during use. Eye/skin/respiratory irritant. Inhalation can result in headaches and dizziness. Harmful if swallowed. **Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.** Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidney and nervous system damage. **Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.**

First Aid

Eyes – Hold eyelids apart and flush thoroughly with water for 15 minutes. **Skin** – Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and water. **Inhalation** – Remove to fresh air. Ingestion – Do not induce vomiting. Dilute with water. **Contact physician. In all cases contact a physician immediately if symptoms persist.**

Handling & Storage

Keep away from heat, sparks, sunlight, electrical equipment or flame. VAPORS MAY IGNITE AND EXPLODE. DO NOT SMOKE. Open doors and windows during use. Use adequate local and mechanical ventilation. Wear protective equipment (chemically resistant gloves/goggles/clothing) to prevent direct contact with skin and eyes. Use properly fitted NIOSH vapor cartridge respirator if ventilation is poor. Wash thoroughly with soap and water after use. Remove contaminated clothing after use. Store product in tightly sealed containers in a cool, dry well ventilated area at temperatures between 40° F and 90°F away from ignition sources. Use explosion-proof electrical

(ventilating, lighting and material handling) equipment. Use nonsparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material.

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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Product Data Sheet

Sikafloor® WP-11.1
December 2018, Version 01.01
020812040030000016

SikafloorWP-111-en-US-(12-2018)-1-1.pdf

