

PRODUCT DATA SHEET

Sikafloor® WP-8.1

Sports Floor 350 Finish

PRODUCT DESCRIPTION

Low VOC oil modified urethane varnish. A clear coating formulated to provide a durable, solid protective film.

USES

Sikafloor® WP-8.1 may only be used by experienced professionals.

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

CHARACTERISTICS / ADVANTAGES

- Superior Gloss
- Superior abrasion resistance
- Superior lightness in color
- Excellent rubber burn resistance
- Excellent film hardness
- 350 VOC compliant
- MFMA approved product

APPROVALS / STANDARDS

MFMA TESTS:

Sanding	Pass
Hardness	Pass
Abrasion Resistance	Pass
Flexibility	Pass
Coefficient of Friction	Pass
Maintenance	Pass

PRODUCT INFORMATION

Packaging	Product is available in 5 gallon (18.9 L), containers.
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	50 +/- 1% (ASTM D-1644)
Solid content by weight	7.5 - 7.7 Lbs. (ASTM D-1475)
Volatile organic compound (VOC) content	<350 g / L

Flash Point:

Viscosity

40 - 70 cps

(ASTM D-1545)

TECHNICAL INFORMATION**Chemical Resistance**

Stain Resistance	Pass
Alcohol Resistance	Pass
Naphtha Resistance	Pass
Cola Resistance	Pass
Beer Resistance	Pass
Perspiration Resistance	Pass

Gloss Level

(60°) 90+

APPLICATION INFORMATION**Coverage**400 - 500 sq. ft. / gal. (37 m² - 46.5 m² / L)**APPLICATION INSTRUCTIONS****SURFACE PREPARATION****Previously coated floors**

A test patch is strongly recommended to determine adhesion compatibility over a previous water base, or unknown finish.

1. Remove any masking tape or gum with a putty knife. Clean the floor of dirt, dust mop treatments, etc. with a neutral cleaner.
2. Allow the floor to dry.
3. Screen the floors with #120 grit screens (250 sq. ft. per side; 23 m²) until the gloss is removed.
4. Vacuum and tack the floor thoroughly.

Newly installed floors or sanded to bare wood

1. Screen the floor using #120 grit screens (250 sq. ft. per side, 23 m²).
2. Vacuum, and then tack the floor with mineral spirits.
3. Allow the floor to dry.

Seal coat application

1. With a conventional lambswool or foam applicator or weighted T-bar, seal the bare wood with Sikafloor WP-4.1.
2. Allow 2 - 4 hours dry with good ventilation for each coat.
3. Minimum of two coats of Sikafloor WP-4.1 is recommended.
4. Screen the floor with a #120 grit screen, vacuum, and then tack the floor.
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 manufacturer's directions.
6. Abrade the lines lightly using #120 grit or 150 grit screens.

MIXING

NOTICE: THIS PRODUCT IS DESIGNED TO BE USED AS IS THEREFORE THINNING OR REDUCING WITH SOLVENTS IS NOT RECOMMENDED. DO NOT THIN OR REDUCE PRODUCT WITH SOLVENTS ETC.

APPLICATION

With a conventional lambswool or foam applicator or weighted T-bar applicator, apply Sikafloor WP-8.1 at 400 - 500 sq. ft. per gallon. Do not puddle finish. Allow over night dry (16 hrs min. 36 hrs max.) before recoating. Finish with a second coat of Sikafloor WP-8.1

AVAILABILITY/WARRANTY

1. **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.
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.

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.

LIMITATIONS

- Allow 72 hours before light traffic and 5-7 days before athletic activities.
- Full cure can take 14 days depending upon ambient conditions. The finish is susceptible to marring and scuffing prior to full cure. Do not replace walk-off mats prior to full cure.
- Product wills amber over time and affects surfaces light in color.
- Material Temperature: Precondition material for at least 24 hours near floor to be coated.
- Ambient Temperature: Minimum/Maximum 65°/95°F (18°/35°C).
- Ambient Relative Humidity: Maximum relative humidity is 80% during application and curing.

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.

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.**

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