

Sikafloor® WP-8.1

Sports Floor 350 Finish

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| Description | Low VOC oil modified urethane varnish. A clear coating formulated to provide a durable, solid protective film. |
| Where to Use | New and existing wood sports floors in public and private schools, universities, professional arenas, and health clubs. |
| Advantages | <ul style="list-style-type: none"> ■ Superior Gloss ■ Superior abrasion resistance ■ Superior lightness in color ■ Excellent rubber burn resistance ■ Excellent film hardness ■ 350 VOC compliant ■ MFMA approved product |

How to Use

Surface

Previously coated floors

Preparation

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 thoroughly.
3. Screen the floors with #100 grit screens (250 sq. ft per side; 23m²) until the gloss is removed.
4. Tack rag the floor using water.
5. Proceed to Finish coats.

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-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. 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.

Typical Data

GENERAL PROPERTIES:

| | | ASTM |
|---------------|----------------|-------|
| Color | 6 - 8 | D1544 |
| Viscosity | A1 - A | D1545 |
| Weight/Gallon | 7.5 - 7.7 Lbs. | D1475 |
| Solids | 50+/-1% | D1644 |
| Flash Point | 105°F (40.5°C) | D56 |
| VOC | <350 g/L | |

MFMA TESTS:

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| Sanding | Pass |
| Hardness | Pass |
| Abrasion resistance | Pass |
| Flexibility | Pass |

Industrial Flooring

Coefficient of friction Pass
Maintenance Pass

Chemical resistance:

Stain resistance Pass
Alcohol resistance Pass
Naphtha resistance Pass
Cola resistance Pass
Beer resistance Pass
Perspiration resistance Pass

Packaging: Product is available in 5-gallon (18.927L) containers.

Shelf Life: 2 years in original unopened container under proper storage conditions. Store dry between 40° - 90°F (5° - 32°C).

Coverage: 400-500 sq. ft/gal (37-46.5 m²/L)

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| 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 | Finish Coats: 1. With a conventional lambswool or foam applicator or weighted T-bar applicator, apply WP-8.1 going with the grain. Do not allow the finish to puddle. 2. Allow over night cure (16 hrs min. 36 hrs max.) before recoating. Finish with a second coat of WP-8.1 |
| Cure Mechanism | Allow over night cure (16 hrs min. 36 hrs max.) before recoating. Finish with a second coat of WP-8. Allow 48 hours cure before light traffic and 5 - 7 days before athletic activities. Adequate ventilation is imperative during the curing process. Dry times will vary based upon the drying conditions. Do not apply when temperature is above 95° F (35°C) or below 65° F (18°C), or when humidity is above 80%. Clean up with mineral spirits. |
| Caution | WARNING: COMBUSTIBLE, IRRITANT: Contains Mineral Spirits (Mixture), Xylene (CAS: 1330-20-7), Ethylbenzene (CAS: 100-41-4). May cause eye/skin/respiratory irritation. May be harmful if swallowed. 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. Keep away from heat, sparks, electrical equipment, and open flame. DO NOT SMOKE. Use only in well ventilated areas. WARNING: This product contains a chemical known to the State of California to cause cancer. |
| 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 and 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. |
| Clean Up | 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. 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. |



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Additional Info 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.

- 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. Keep away from heat, sparks, electrical equipment, and open flame. Vapors may ignite and explode. DO NOT SMOKE. Use only in well ventilated areas.
- 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.
- 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.
- Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture, or weld on or near container.
- Technical Data Sheets are updated periodically. To ensure the most current version is being used, visit Technical Resources on www.sikafloorusa.com.

| Trouble Shooting | Problem Observed | Possible Causes |
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| | 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. |

KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION • FOR INDUSTRIAL USE ONLY

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1-800-933-SIKA NATIONWIDE

Regional Information and Sales Centers. For the location of your nearest Sika sales office, contact your regional center.

Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071
Phone: 800-933-7452
Fax: 201-933-6225

Sika Canada Inc.
601 Delmar Avenue
Pointe Claire
Quebec H9R 4A9
Phone: 514-697-2610
Fax: 514-694-2792

Sika Mexicana S.A. de C.V.
Carretera Libre Celaya Km. 8.5
Fracc. Industrial Balvanera
Corregidora, Queretaro
C.P. 76920
Phone: 52 442 2385800
Fax: 52 442 2250537

