

Sikafloor® WP-4.1

Fast Dry 350 Poly Sealer

Description Low VOC oil modified sanding sealer. A clear coating formulated and recommended for application to bare wood to seal it and provide a surface for the finish coats.

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

Advantages

- Superior abrasion resistance
- Superior film hardness
- Deep penetration into wood
- Lightness in color
- 350 g/l VOC compliant
- MFMA Approved

How to Use

Surface Preparation Note: Follow MFMA and NOFMA guide lines for acclimation time of wood prior to installation, sanding, and finishing.

Newly installed floors or sanded to bare wood

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

Typical Data

GENERAL PROPERTIES:

		ASTM
Color	4 - 6	D1544
Viscosity	A - B	D1545
Weight/Gallon	7.55- 7.75Lbs.	D1475
Solids	36.5+/- 1%	D1644
Flash Point	105°F (40.5°C)	D56
VOC	<350 g/L	

MFMA TESTS:

Sanding	Pass
Hardness	Pass
Abrasion resistance	Pass
Flexibility	Pass
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 (18.9 L) containers.

Shelf Life: 6 months in original unopened container under proper storage conditions. Store dry between 40° - 90°F (5° - 32°C).

Coverage:

Bare wood seal: 300-400 sq. ft/ gal.(28m²-37m²/ L)
Build coats: 400-500 sq. ft/ gal. (37m²-46.5m²/ L)

Industrial Flooring

Mixing	DO NOT THIN OR REDUCE WITH SOLVENTS
Application	<ol style="list-style-type: none">1. With a conventional lambswool or foam applicator or weighted T -bar applicator, seal the bare wood with Sikafloor WP-4.1.2. Allow 3 - 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 with water.5. Line marking paint can then be applied. <p>Line Marking</p> <ol style="list-style-type: none">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.
Cure Mechanism	As a bare wood seal: Recoat window 1 - 10 hrs. As a build coat: Recoat window 2 - 10 hrs. 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.
Tooling and Finishing	Finish with two coats of varnish like: Sikafloor WP-8.1 or Sikafloor WP-14 Finish with three coats of water based finish like: Sikafloor WP-20, Sikafloor WP-33, Sikafloor WP-34, or Sikafloor WP-35.
Caution	WARNING: COMBUSTIBLE, IRRITANT: Contains Mineral Spirits (CAS: 64742-47-8), Solvent (CAS:98-56-6), Xylene (CAS: 1330-20-7), Ethylbenzene (CAS: 100-41-4). May cause eye/skin/respiratory irritation. May cause severe damage of gastrointestinal tract.. 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. Keep away from heat, sparks, sunlight, electrical equipment or flame. VAPORS MAY IGNITE AND EXPLODE. DO NOT SMOKE. 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.
- 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.

DISPOSAL: All label warnings must be observed until the container has been commercially cleaned, reconditioned, or disposed of in accordance with local government regulations.

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; or, high temperatures during application.
	Peeling:	Improper floor preparation.
	Dirt Particles:	Applicator not "de-fuzzed" causing loose fibers in the film; or, room vents not sealed during the application.
	Screen Marks:	Using too aggressive a 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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