

**Product Data Sheet**Edition 2.28.2017  
Sikafloor® WP-32

# Sikafloor® WP-32 Part A

## Waterborne Aliphatic Urethane

<b>Description</b>	A two component waterborne aliphatic polyurethane finish, formulated to provide a durable, solid protective film on maple sports floors. Finish is NMP and NEP-free.
<b>Where to Use</b>	New and existing wood sports floors in public and private schools, universities, professional arenas, and health clubs, stages, aerobic and dance floors.
<b>Advantages</b>	<ul style="list-style-type: none"> <li>■ Superior Abrasion resistance</li> <li>■ Superior film hardness</li> <li>■ Non-yellowing aliphatic urethane</li> <li>■ NMP and NEP-free</li> <li>■ Excellent Gloss</li> <li>■ Excellent rubber burn resistance</li> <li>■ Excellent defoaming and leveling properties</li> <li>■ Low odor</li> <li>■ VOC 167 g/l Sikafloor® WP-32 Parat A + Sikafloor® Aziradine Crosslinker.</li> </ul>

**TYPICAL 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.

**Packaging:** Product is available in case of four (4) 1-gallon (3.78 L) kits with aziradine cross linker

**Shelf Life:** 1 year in original unopened container under proper storage conditions.  
Store dry between 40° - 90 °F (5° - 32 °C).

**Cure Mechanism:** Aziradine cross linker.

**Coverage:** 600 - 700 sq. ft. / gal. (55.7 m<sup>2</sup> - 65 m<sup>2</sup> / L)

**GENERAL PROPERTIES:**

Color		Milky/Opaque (wet)
Viscosity	ASTM D1545	10-50 cps
Weight/Gallon	ASTM D1475	8.5 - 8.7 Lbs.
Solids	ASTM D1644	31 +/- 1%
Freeze Thaw	ASTM D2243	5 cycles pass
VOC	Sikafloor® WP-32 + Aziradine Crosslinker combined	167 g / L
Gloss (60°)		90+

**How to Use  
Surface  
Preparation****Previously coated floors**

A test patch is strongly recommended to determine adhesion compatibility over a previous waterborne 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 m<sup>2</sup>) until the gloss is removed.
4. Vacuum and tack the floor thoroughly using water.

**Newly installed floors or sanded to bare wood**

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



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## Seal coat application

**Note: Do not use Sikafloor WP-32 to seal the floor.**

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 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. Allow the lines to dry per manufacturer's directions.
5. Abrade the lines lightly with #150 grit screen or maroon pads.

<b>Mixing</b>	Catalyze the Sikafloor WP-32 with the supplied aziradine. Invert the catalyzed finish container bottom over top 6-10 times.	
<b>Application</b>	<b>Finish coats:</b> <ol style="list-style-type: none"> <li>1. With a conventional lambswool or foam applicator on a weighted T -bar applicator, apply Sikafloor WP-32 at 600-700 sq. ft. per gallon. . Do not allow finish to puddle.</li> <li>2. Allow 2-4 hours dry before recoating. Finish with 1-2 more coats of Sikafloor WP-32.</li> <li>3. Clean up with water.</li> <li>4. If cured over 24 hours abrade floor with a #150 grit screen, do not use #120 grit here.</li> <li>5. Allow 24 hours cure before light traffic and 3 - 5 days before athletic activities.</li> </ol>	
<b>Limitations</b>	<ul style="list-style-type: none"> <li>■ 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.</li> <li>■ Material Temperature: Precondition material for at least 24 hours near floor to be coated.</li> <li>■ Ambient Temperature: Minimum/Maximum 65°/95°F (18°/35°C).</li> <li>■ Ambient Relative Humidity: Maximum relative humidity is 80% during application and curing.</li> </ul>	
<b>Additional Info</b>	<ol style="list-style-type: none"> <li>1. <b>SPONTANEOUS COMBUSTION:</b> Dust created from screening oil based finishes and rags soaked with oil and dust can auto-ignite causing a fire. <b>DO NOT</b> 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.</li> <li>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.</li> <li>3. Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture, or weld on or near container.</li> </ol>	
<b>Trouble Shooting</b>	<b>Problem Observed</b>	<b>Possible Causes</b>
	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.

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# Industrial Flooring

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The Sika logo consists of the word "Sika" in a bold, yellow, sans-serif font, set against a red triangular background that points downwards.