

## Sikafloor® WP-20

Sports Floor 250 Waterborne OMU Finish

<b>Description</b>	Waterborne oil-modified urethane (OMU) finish. Low VOC, fast dry coating that is self cross-linking upon application and during cure, providing a durable, solid and protective film on various hardwood flooring species.
<b>Where to Use</b>	New and existing wood sports floors in public and private schools, universities, professional arenas, and health clubs.
<b>Advantages</b>	<ul style="list-style-type: none"> <li>■ Superior abrasion resistance</li> <li>■ Superior film hardness</li> <li>■ Excellent gloss</li> <li>■ Excellent rubber burn resistance</li> <li>■ Excellent film build</li> <li>■ Fast drying</li> <li>■ Low odor</li> <li>■ Single component; self cross linking upon application</li> <li>■ MFMA Approved</li> </ul>

### 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) until the gloss is removed.
4. Vacuum. Tack rag the floor using water.
5. Proceed to Application Section.

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

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

#### Seal coat application

1. With a conventional lambswool or foam applicator or weighted T -bar applicator, seal the bare wood with **Sikafloor WP-3**. Note: Do NOT use Sikafloor WP-20 to seal the floor. Sikafloor WP-20 is intended for use as a finish coat only.
2. Allow 3 - 4 hours dry with good ventilation for each coat.
3. Minimum of two coats of **Sikafloor WP-3** 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	1-2	
Viscosity	60-70 cps	D1545
Weight/Gallon	8.5 + 0.1	D1475
Solids	30 + 1%	D1644
Freeze Thaw	5 cycles pass	D2243
VOC	<250 g/L	



# Industrial Flooring

## MFMA TESTS:

Sanding	Pass
Hardness	Pass
Abrasion resistance	Pass
Flexibility	Pass
Coefficient of friction	Pass
Maintenance	Pass

**Packaging:** Product is available in 5-gallon (18.9 L) containers.

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

**Coverage:** 550-575 sq. ft/ gal. (51m<sup>2</sup> - 53.4m<sup>2</sup>/L)

<b>Mixing</b>	Single component no mixing required
<b>Application</b>	With a conventional lambswool applicator or foam applicator or weighted T -bar applicator, apply Sikafloor WP-20 going with the grain. Do not allow finish to puddle. Note: Do NOT use String Mops to apply product. Mops apply unevenly and leave behind swirl marks.
<b>Cure Mechanism</b>	NOTICE: THIS PRODUCT IS DESIGNED TO BE USED AS IS. DO NOT THIS OR REDUCE WITH SOLVENTS. Adequate ventilation is imperative during the curing process. Dry times will vary based upon the ambient conditions.
<b>Caution</b>	<b>WARNING: CORROSIVE, IRRITANT, SENSITIZER.</b> Avoid direct contact. Contains N-Methyl-2-Pyrrolidone (CAS: 872-50-4) and Triethylamine (CAS: 121-44-8). Causes corneal injury/ eye damage. May causes burns to eyes/skin. May cause burns to mouth, throat, and stomach. Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidney and nervous system damage. <b>Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal. WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.</b>
<b>First Aid</b>	<b>Eyes</b> – Hold eyelids apart and flush thoroughly with water for 15 minutes. <b>Skin</b> – Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and water. <b>Inhalation</b> – Remove to fresh air. <b>Ingestion</b> – Do not induce vomiting. Dilute with water. <b>Contact physician. In all cases contact a physician immediately if symptoms persist.</b>
<b>Handling and Storage</b>	Avoid direct contact. Wear personal protective equipment (chemical resistant goggles/gloves/ clothing) to prevent direct contact with skin and eyes. Use only in well ventilated areas. Open doors and windows during use. Use a properly fitted NIOSH respirator if ventilation is poor. Wash thoroughly with soap and water after use. Remove contaminated clothing and launder before reuse.
<b>Clean Up</b>	Avoid contact. Wear chemical resistant clothing/gloves/goggles. In absence of adequate ventilation; use a properly fitted NIOSH respirator. Uncured material can be removed with approved solvent. Follow solvent manufacturer's instructions for use and warnings. In case of spill, ventilate area and contain spill. Collect with absorbent material. Dispose of in accordance with current, applicable local, state, and federal regulations.
<b>Additional Info</b>	Technical Data Sheets are updated periodically. To ensure the most current version is being used, visit Technical Resources on <a href="http://www.sikafloorusa.com">www.sikafloorusa.com</a> . 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.



**Sika**®

# Industrial Flooring

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.
	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.
	Hazy Film:	High humidity during drying.

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