

Sikafloor® WP-34 Aquaguard II

Aquaguard II Waterbased Acrylic Modified Aliphatic Urethane

Description	A water based aliphatic urethane- acrylic finish, 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 Abrasion resistance ■ Superior film hardness ■ Non-yellowing Aliphatic urethane ■ Excellent Gloss ■ Excellent rubber burn resistance ■ Water White dry film ■ Low odor

How to Use

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 #100 grit screens 250 sq. ft (23.2 m²) per side, until the gloss is removed.
4. Tack the floor using Water.
5. Proceed to Mixing and Application Sections

Newly installed floors or sanded to bare wood

1. Screen the floor using #100 grit screens 250 sq. ft (23.2m²) per side.
2. Vacuum, then tack the floor with Water.
3. Allow the floor to dry.

Seal coat application

Do Not use **Sikafloor WP-34** to seal the floor.

1. With a conventional lambswool or foam applicator or weighted T -bar applicator, seal the bare wood with **Sikafloor WP-3**.
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 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 direction.
6. Abrade the lines lightly with #120 grit screens.

Typical Data

GENERAL PROPERTIES:

		ASTM
Color	White/Opaque	
Viscosity	20-30 cps	D1545
Weight/Gallon	8.6 – 8.8 Lbs.	D1475
Solids	25+/- 1%	D1644
Freeze Thaw	5 cycles pass	D2243
VOC	<300 g/L	



Industrial Flooring

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 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).

Coverage: 600-700 sq. ft/ gallon (55.7m²-65m²/L)

Mixing	Catalyze the Sikafloor WP-33 with the Aziradine 2 oz per gallon of finish. Invert catalyzed finish container bottom over top 6 – 10 times.
Application	<ol style="list-style-type: none">1. With a conventional lambswool or foam applicator or weighted T-bar applicator, apply Sikafloor WP-34 Do not allow finish to puddle.2. Allow 3 - 18 hours dry before recoating. Finish with 2 more coats of Sikafloor WP-343. Clean up with water.4. If cured over 24 hours abrade floor with a #120 grit screen, do not use #100 grit here.5. Allow 6 hours cure before light traffic and 3 - 5 days before athletic activities.
Cure Mechanism	Aziradine cross linker
Over Painting	Recoat window 3 - 18 hrs.
Caution	WARNING: IRRITANT. Contains 1-Methyl-2-Pyrrolidone (CAS: 872-50-4) and Dipropylene Glycol Monomethyl Ether (CAS:34590-94-8). Causes corneal injury/ eye damage. May cause skin/respiratory irritation. Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidney and nervous system damage. Harmful inhaled. 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	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.
Clean Up	Use personal protective equipment (chemical resistant gloves/ goggles/clothing). Without direct contact, sweep up spilled or excess product and place in suitable sealed container. Dispose of excess product and container in accordance with applicable local, state, and federal regulations.
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.



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.
	Steel Wool pads	DO NOT USE, steel fibers will remain in the floor and will rust when coated.

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

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