

# arena<sup>®</sup> 50

## Arena<sup>®</sup> Wood Floor Sanding Seal

A VOC compliant water-based wood sanding sealer

### Features:











- VOC compliant
- Seals wood completely
- Colorless water-white non-yellowing film
- Quick dry time
- Virtually odorless
- Non-flammable
- Water clean-up



### Available in:

- 4 x1 Gallon Cases
- 5 Gallon Action Pacs<sup>®</sup>

### Technical Specifications:

 Color	Very White
 pH	8.4 ± 0.2
 Weight/Gallon	8.7 lbs.
 Solids	25 ± 1%
 Fragrance	None added – polymer scent
 Flash Point	None
 VOC	<95 g/L
 Freeze Stability	None
 Alcohol Resistance	Approved
 MFMA	Approved

### Coverage:

- 300–500 square feet per gallon
- Wait 2 to 3 hours before applying a second coat

### Preparation:

Apply **Arena 50** only when temperature is between 65°F and 95°F, and humidity is under 80%. For best results, place **Arena 50** near the wood floor ahead of time to acclimate to the same temperature as the floor. Make certain that the floor is clear of contamination including oils, silicones, waxes, fillers, and stains that contain stearates as they may cause adhesion problems. Follow MFMA and NOFMA guidelines for wood acclimation time prior to installation, sanding, and coating.

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### Other Equipment needed:

- Low-speed, single disc floor machine (175 rpm) with 20-inch, #100, #120 or #150 grit screens or SPP pad (depending on floor inspection)
- Vacuum (for removing dust)
- 24-inch or 36-inch push broom (for sweeping and tacking)
- Terry cloth towels (for tacking)
- Putty knife or scraper
- Lightweight T-bar (18" or 24")
- Reflections pour can

# DIRECTIONS

This product is designed to be used as is (DO NOT DILUTE). Thinning or reducing with water is not recommended.

**For sand-downs of existing floors, not for new floor installations.**

## Wood Staining:

Visit MFMA website [maplefloor.org](http://maplefloor.org) for more recommendations on staining.

1. Test wood stain and top coat for compatibility.
2. Following the label instructions, apply wood stain.
3. Wipe off any excess material with the grain, and let dry thoroughly (usually overnight).
4. Lightly sand stained areas with 3M SPP pads, vacuum and tack as needed until floor is dust free. Allow to dry thoroughly.

## Seal Coat Application:

**Note:** Always use a separate, clean, T-bar applicator for each coat of sealer and coating. Apply blue painters tape to floor plates and volleyball standards.

1. With the HVAC off, apply **Arena 50** with a lightweight T-bar applicator to bare wood at the recommended coverage.
2. Let floor dry at least 2–3 hours with good ventilation for each coat. If more than 16 hours passes between coats, you must re-abrade the last coat.
3. At least two coats of **Arena 50** are recommended. Allow the last coat to dry for at least 12 hours.
4. When using a tint, add the suggested amount of water-based tint to **Arena 50**, and mix well using a small jiffy mixer attached to a drill. Pull tape and paper barriers after 2–3 hours. A third coat of **Arena 50** applied wall-to-wall may be needed when using a tint.
5. Screen floor to remove grain raise with 3M #120 grit screens (200 sq. ft. per side) until gloss is removed.
6. Sweep and vacuum floor thoroughly.
7. Tack floor until dust free and allow to dry at least one hour.

**Warning: Screens and particle dust from Arena 50 must be immersed in water.**

## Line Painting:

**Note:** Test paint before using.

1. Be sure floor is dry and apply blue painters tape.
2. Paint areas with Buckeye approved paint and desired coats. For a list of approved paints, see Buckeye Research Fact Sheet 1510 or contact a Buckeye representative.

*If using another manufacturer's paint, always prepare a sample or test a small hidden area before applying paint to determine compatibility and adhesion.*

3. To ensure crisp lines, allow paint to dry 1–2 hours before pulling the tape. If a second coat of paint is required, remove the painters tape while the second coat is still wet. Let lines dry 1 to 4 days depending on paint and colors. **Do not attempt abrading paint if there is any possibility that the paint might smear.**
4. Abrade dry paint with dry 3M SPP pads.
5. If more than 48 hours have elapsed since abrading the surface to be coated/painted, re-abrade with 3M #120 grit screens to ensure proper adhesion. Always vacuum and tack with a moistened towel thoroughly after abrading.

## Coating:

1. Finish with 2–3 coats of **Arena 300**. Before applying each coat, turn off the HVAC system.
2. Apply **Arena 300** with a lightweight T-bar applicator going with the grain at the recommended coverage. Do not puddle coating.
3. Follow proper recoat windows and instructions for **Arena 300**.
4. Turn on the HVAC to allow for proper drying and curing 2–3 hours after applying each coat. Allow the HVAC to run after final coat until sports play.

**Adequate ventilation is imperative during curing time. Dry times will vary based on conditions. Do not apply when temperature is above 95° F or below 65° F, or when humidity is above 80%. Clean up with water.**

## TROUBLE SHOOTING



### Slow dry

low curing temperatures, high humidity, lack of air movement, or lack of ventilation after coating.



### Fisheyes

foreign material on the surface such as oil, grease, or silicone.



### Hazy film

results when there is high humidity during drying.



### Bubbling

results when coating is overworked with the applicator, heavy wringing out of T-bar, not enough product on floor, heavily abraded floor, walking too fast.



### Peeling

results from improper or incompatible floor prep, previous floor coating incompatibility, tape application, dirty or dusty floor, residue or foreign material left behind, acrylic spray buff or floor finish applied, white line syndrome due to board movement, missed recoat window. Peeling can happen at any time when the loose bond decides to give way.



### Streaks

results when coating is applied too thin or making a pass over an area that has tacked up.



### Dirt particles

result from ineffective vacuuming and tacking, when the applicator is not "de-fuzzed" causing loose fibers in the film, or when room vents are not sealed off during application.



### Steel Wool Pads

Do Not Use. Steel fibers will remain in the floor and will rust when coated.



### String mops

Do Not Use. Mops apply unevenly and leave behind swirl marks



### Air Movement

Close all doors, windows, and turn off vent fans and AC fans. *Premature curing can occur, disrupting flow and leveling.*



For more information about Arena 50, scan this code.

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