

arena[®] 300



Microban[®] Antimicrobial Wood Floor Coating

Arena 300 with Microban technology is a 100% urethane quick-dry wood floor coating with exceptional durability and shine for all types of wood

Features:

- Built-in Microban antimicrobial protection
- 100% urethane, water-based OMU (oil-modified urethane) wood floor coating
- Extremely mild scent
- Single component, no mixing
- Easy application
- Exceptional gloss
- Quick dry time
- Burnishable

Advantages:

- Environmentally safer – VOC compliant
- No solvent odor
- No mixing required
- Excellent leveling
- Quicker recoat



Available in:

- 4 x1 Gallon Cases
- 5 Gallon Action Pacs[®]













Microban technology is built-in antimicrobial protection that gives Arena 300 an added level of proactive protection against damaging microbes including a broad spectrum of bacteria, mold and mildew that can cause stains, odors, and product deterioration.

Arena 300 with Microban technology reduces the overall bacterial load, keeping floors cleaner, longer.

All Microban antimicrobial technologies are approved by the US EPA for their specific use in the product in which they are used.

Technical Specifications:

 Color	Off-White
 pH	7.7 ± 0.2
 Weight/Gallon	8.5 lbs.
 Solids	30 ± 1%
 Fragrance	Bland
 Flash Point	None
 VOC	<95 g/L
 Freeze Stability	Keep from freezing
 Alcohol Resistance	Approved
 MFMA	Approved

Preparation:

Apply **Arena 300 with Microban technology** only when temperature is between 65°F and 95°F, and humidity is under 80%. For best results, place **Arena 300 with Microban technology** near the wood floor ahead of time to acclimate to the same temperature as the floor. Clear floor 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.

Other Equipment needed:

- Low-speed, single disc floor machine (175 rpm) with 20-inch, #120 grit screens
- 24-inch or 36-inch push broom (for sweeping and tacking)
- White cotton bath towels (for tacking)
- Putty knife or scraper
- Lightweight T-bar (18" or 24")
- Reflections pour can
- Clean untreated microfiber dust mop

Note:

Do not use Steel Wool Pads in preparation or application. Steel fibers that remain on the floor will rust when coated.

DIRECTIONS

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

Previously coated floors: It is strongly recommended to test a small area first for adhesion purposes over a previous water-based or unknown coating.

For instructions on newly installed floors, sanded to bare wood floors, and applying sealer, contact your Buckeye sales representative or the Buckeye Research department.

Note: Do not use Arena 300 with Microban technology on solvent stained wood unless the stain has been sealed.

1. Remove all tape and gum with a putty knife or scraper. Then clean the floor with **Eco E32 or E33** if floor is extremely dirty.
2. Let floor dry completely.
3. Screen floors using 3M #120 grit (200 sq.ft per side) using **Screen Clean®** Ready-To-Use Floor Prep Cleaner until gloss is removed. **If the floor is prepared using a dry screen method, all dust and used screens/pads must be soaked in water prior to disposal to prevent a fire hazard.**
4. Scrub/rinse floor with autoscrubber and clean water with 3M SPPs.
5. Tack floor with **Screen Clean** or water.
6. Continue on to Coating section.

Complete line painting after floor preparation and before applying coats of **Arena 300 with Microban technology**. Consult a Buckeye representative for painting instructions.

Note: Test paint before using. Refer to RFS 1510 Buckeye Reflections Wood Floor Painting Instructions.

Coating:

If using Gym Bond, please see Gym Bond literature for instructions.

1. Before applying each coat, turn off HVAC system. Then 2–3 hours after applying each coat, turn on the HVAC system to allow for proper drying and curing. Put painter's tape on the floor plates, volleyball standards, etc., and trim excess tape.
2. Apply **Arena 300 with Microban technology** with a lightweight T-bar applicator (500–600 sq. ft. per gallon) going with the grain. Do not puddle coating.

3. Apply 2–3 coats of product. Allow 2–4 hours for the first coat to dry thoroughly to tack-free. High humidity and/or low temperature conditions will lengthen drying time. Allow 4–18 hours after first coat dries to tack-free for a bare minimum of 6 total hours before applying the next coat.
4. If cured more than 18 hours after each coat, abrade floor with 3M SPP's at 200 sq. ft. per side.
5. Let cure 48 hours before allowing sports play. Coating will be fully cured in one week. Do not put anything (such as bleachers or matting) on the floor until after the full cure time.

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 60 F, or when humidity is above 80%. Clean up with water.


Maintenance:


See Reflections maintenance wall chart for full maintenance instructions.


1. Use **Eco E32/E33** to remove tough soils/dirt. Follow directions on label.
2. Keep shoe traffic limited by placing walk-off mats at all entrances to prevent dirt from tracking onto the floor, and keep mats clean. Be mindful not to drag tables/chairs across the floor, which may cause floor damage.
3. When needed, scrub floor with **Floortonic®** using an autoscrubber with a clean white pad. Then burnish using a high-speed burnisher while walking briskly with a light hog's hair pad to restore gloss on Arena wood floor coatings.


Do not apply tape of any kind on to the maple floor.


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 300 with Microban technology, scan this code.

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