

coliseum™ 450



A low VOC OMU (oil-modified urethane) wood floor coating with exceptional durability and shine

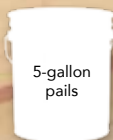
Advantages:

- Environmentally safer — 450 g/L VOC compliant
- Excellent leveling

Coverage:

- 500-600 square feet per gallon
- 16 to 24-hour recoat window after tack-free (Floors normally dry to tack-free in 8-12 hours).

Available in:



Features:

- Low VOC OMU (oil-modified urethane) wood floor coating
- Easy application
- Brilliant shine
- Superior abrasion resistant
- Superior film hardness
- Very light in color
- Great cure time
- Quick dry time

Other Equipment needed:

- Low-speed, single disc floor machine (175 rpm) with 20-inch, #120 or #150 grit screens (depending on floor inspection)
- 24-inch or 36-inch push broom (for sweeping and tacking)
- Terry cloth towels for tacking
- Putty knife or scraper
- Heavyweight T-bar (18" or 24")

Surface Preparation:

Follow MFMA and NOFMA guidelines for wood acclimation time prior to installation, sanding, and coating.

DIRECTIONS

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

1. Remove all tape and gum with a putty knife or scraper. Then clean the floor with **Tenacity®** if floor is extremely dirty. Then rinse floor with water.
2. Let floor dry completely.
3. Screen floors using #120 grit screens (200 sq.ft per side) 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. Tack floor. If dry screening, tack with **Coliseum Odorless, Virgin Mineral Spirits/Waterless Cleaner**, and allow to dry at least one hour before coating (with good ventilation). Make sure floor is **totally dry**. If wet screening, tack with water and allow floor to dry overnight before applying coat.
5. Continue on to Coating section.

*Complete line painting after floor preparation and before applying coats of **Coliseum 450**. Consult a Buckeye representative for painting instructions.*

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

Coating:

Buckeye Reflections highly recommends the use of Gym Bond prior to coating floor with Coliseum 450 to maximize adhesion. See Gym Bond literature for proper instructions.

1. Before applying each coat, turn off the HVAC system. Then 6–8 hours after applying each coat, turn on the HVAC system to allow for proper drying and curing.

2. Apply **Coliseum 450** with a heavyweight T-bar applicator going with the grain. Do not puddle coating.
3. Apply 1 or 2 coats. Let coat dry for 8–12 hours to tack-free. **Tack-free:** Shoes do not stick to coating after standing on floor 2–3 minutes. Then allow an additional 16–24 hours after **tack-free** before applying second coat of **Coliseum 450**.
4. If cured more than 36 hours after laying the first coat, abrade floor with an SPP pad.
5. Let cure 72 hours before light traffic, and 5–7 days before athletic activities.

Respirators should be worn when applying Coliseum 450

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 mineral spirits.

Maintenance:

1. See Reflections Maintenance Wall Chart for full maintenance instructions.
2. Use Buckeye **Green Light™** to remove tough soils/dirt. Follow directions on label.
3. 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.

Troubleshooting

Slow dry – low curing temperatures, high humidity, lack of air movement, or lack of ventilation after application.

Streaks – result when coating is applied too thin.

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

Wrinkling – recoating too soon; results when application is too heavy, puddling the coating.

Bubbling – results when coating is overworked with the applicator including shaking the coating before application or high temperatures during application.

Peeling – improper floor prep.

Dirt particles – result when the applicator is not “de-fuzzed” causing loose fibers in the film or when the room vents are not sealed off during application.

Screen marks – result when an overly-aggressive screen is used between coats.

Technical Specifications:

Weight/Gallon	7.5-7.7 lbs.
Color	6-8
Solids	50 ± 1%
Flash Point	105°F
VOC	<450 g/L
MFMA	Approved

Coliseum 450 viscosity:

Brookfield #2 @ 60 rpms = 69 +/- 1 cps
Zahn cup #2 = 28.5 +/- 1 seconds

Chemical Resistance:

Stain resistance	Pass
Alcohol resistance	Pass
Naphtha resistance	Pass
Cola resistance	Pass
Beer resistance	Pass
Perspiration resistance	Pass



For more information about Coliseum 450, scan this code.

Buckeye International, Inc.

2700 Wagner Place • Maryland Heights • MO 63043
800.321.2583 • www.buckeyereflections.com