

Arena®

Coliseum®



PROCEDURES MANUAL



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# Assessment and Planning



**What you need:** Assessment / Jobsite Preparation Checklist (page 5), Tools and Materials Checklist (page 6), putty knife or sharp-edged object, Buckeye floor finish stripper

## Assess and Plan

Provide a copy of the completed inspection report, and inform the customer of any floor damage. Make sure that all parties agree on the existing conditions before continuing.

1. Arrange a meeting with management to complete the facility survey, wood floor inspection and wood floor scheduling. Plant managers, athletic directors, coaches, and school principals must be contacted in order to determine their needs.
2. Review facility's floor recoat history and maintenance program to establish product compatibility. Discuss any previous or existing problems, and also current maintenance procedures. \*see footnote
3. Inspect the wood floor and complete the Assessment/Jobsite Preparation Checklist. Then test for resilient wood coating with a Buckeye floor finish stripper.
4. Several days before preparing to recoat the wood floor, look for coating blisters, tape, gum and heavily soiled baseboards that need to be scraped and cleaned.
5. If there are floor board repairs and/or line repainting needed, complete it several days before preparing the wood floor for recoating.
6. Decide on a crew chief, trainer, and staff. Note equipment availability.
7. Be sure to check power supply and capability to run several swing floor machines at the same time.
8. For newer floors that have been coated less than four times, it is recommended to use solvent-based coatings for the first 3–4 recoats to allow for expansion and contraction. Applying water-based coatings too soon could lead to a condition commonly known as sidebonding/panelization.

*Certain water-based products with epoxy resin (i.e. Hillyard Contender) and others with a high acrylic to urethane ratio (i.e. Sport Kote) have historically proven to have poor adhesion for most coatings. Failure to identify current coating on the floor and previous prep methods used for recoating may result in peeling problems. See special notes for planning and recoating these types of floors.*

# Assessment/Jobsite Preparation Checklist



Task	Check Completed	Comments
<b>Assessment:</b>		
Maintenance products and procedures (previously used)		
Recoat product and procedures		
Loose, split or missing boards		
Cupping/crowning boards		
Poor adhesion (peeling coating/blisters)		
Paint requiring repair		
Areas where coating is wearing through		
Moisture/physical damage to boards		
Tape, gum, tar and other residue on floor		
Power supply capability for several floor machines		
Large scratches or grooves in floor		
Determine if oil or wax is on floor (test with a Buckeye floor finish stripper)		
<b>Tip:</b>		
* Discuss the above issues with the building manager/owner to determine their expectations <u>before</u> you begin the job.		
<b>Jobsite Preparation:</b>		
Take inventory of tools and supplies needed		
Divide workload among team according to skill		
Use a putty knife to scrape off gum and grime		
Dust mop/sweep the floor, several times if needed		
Pre-scrub traffic lanes/dried spills to remove heavy soil		
Block out sunlight to avoid flash drying the coating		
Block off entryways to avoid contamination		
Avoid contamination from air blowing through fans/doors/windows/ducts		
Apply tape to floor plates		
Let any vapor escape the room to help with drying and curing		
* Differentiate between wood floor damage and floor coating surface damage. Floor recoating is surface maintenance and does not reach wood or marks in between old coatings. Understanding the difference will help the customer develop realistic expectations following a recoat as opposed to a total sand down.		

# Complete Tool Checklist



Products	Quantity	Comments
Screen Clean® Ready-To-Use Floor Prep Cleaner and Tacking Solution		
Eco Floor Cleaner Fragrance-Free E32/S32 Eco Floor Cleaner E33		
Wood Floor Coating (water-based or oil)		
Gym Bond Water-Based Bonding Agent		
3M #120 grit screens or 3M Surface Prep Pads (SPPs)		
Standard white and red or blue floor pads		
Coliseum Odorless Virgin Mineral Spirits/Waterless Cleaner (polyurethane clean-up only)		
Floortonic® Burnishing Liquid		
Workout® The Muscle Cleaner or Eco Muscle Cleaner E14		
Buckeye Defoam		
Equipment:	Quantity	Comments
T-bars (18" or 24" lightweight or heavyweight)		
Synthetic T-bar pads		
Doodlebug holder with handle and black/brown pads		
Large bath size terry tack towels (untreated and pre-rinsed with water)		
Dust mop (clean, untreated)		
Front-mount wet vac		
Autoscrubber		
Cleaning pads for autoscrubber		
175 rpm swing machine		
White pad for 175 rpm to hold screens/SPPs		
Push brooms (36" or 24")		
Dust mop (Non-treated)		
Wet mop		
Mop bucket and wringer		
Flat mops, frames & handles or blue/white finish mops		
Buckeye Reflections pour can and Gym Bond nozzle		
Gloves (neoprene or nitrile)		
Safety glasses		
Caution signs		
Preparation checklist		
Putty knives (scrape gum, baseboards, blisters)		
Tape for metal plates (1½" or 2" painters tape) & Utility knife		
Trash can polyliners		
12 and 14 gauge 50' extension cords		
Rags for clean-up		

# Jobsite Preparation

**What you need:** Completed Assessment / Jobsite Preparation Checklist, Complete Tool Checklist

**Estimate:** **Wood Floor Coating** needed for job at 500 sq.ft./gallon per coat  
**Gym Bond Bonding Agent** needed for job at 1,800 sq.ft./gallon per coat (**only one coat needed**)  
**Blue Pads** for pre-scrubbing at 2,000 sq.ft./side  
**Screen Clean Ready-To-Use Floor Prep Cleaner and Tacking Solution** at 250-400 sq.ft./gallon  
**3M #120 Grit Screens/3M Surface Prep Pads (SPPs)** wet/dry abrade at 200/250 sq.ft./side  
**Tack Towels** at 8 per 5,000 sq.ft.

**Note:** *Material use may vary by 20% depending on conditions (have extra on site).*

## Prepare and coat wood floor:

1. Take inventory of tools and supplies needed.
2. Split workload among team members according to skill level.
3. Use a putty knife to scrape off any gum and grime that is stuck on the floor.
4. Dust mop/sweep the entire floor thoroughly. Repeat if necessary.
5. Pre-scrub traffic lanes and dried spills to remove heavy soils.
6. Scrub and abrade floor using proper "Clean and Abrade" procedures.
7. Pick up any moisture left behind from equipment leaks and wet mopping.
8. Tack floor as explained in the "Clean and Abrade" section. Let air dry thoroughly.
9. Apply tape to floor plates and retouch small paint scratches with permanent markers.
10. Ideal temperature should be between 55° and 75° when coating. Ideal humidity should be between 35-50%.
11. Do not let direct sunlight shine on the floor. This will prevent floor coating from flash drying.
12. Block off entryways to public to prevent floor contamination and coating tracking.
13. Prevent air blowing through doors/windows/ducts to avoid dust contamination.
14. Follow "Application Procedures" to properly apply wood floor coating.
15. Promote proper drying and curing by letting wood floor coating vapor escape the area.

## Preparation considerations:

1. Repairing Floors
  - Replacing Boards – Manage prior to recoating process
  - Line Paint Cure – Two to five days prior to recoating process
  - Baseboard, Blister, and Tape Cleaning – Manage prior to recoating process
2. Preparing For Floor Recoat
  - Scrape, Sweep, Clean, Abrade, Tack – 30 to 60 minutes per 1,000 sq.ft.
  - Dry Screen Abrade – 24 hours so fine dust settles
  - Final Rinse and Tack Dry – One to four hours
3. Applying Wood Floor Coating
  - Turn HVAC system off prior to coating
  - Apply with 18" or 24" T-bar – One to two hours per 5,000 sq.ft. including clean-up.
  - One Coat Dry to Tack-Free – Water-based 2–4 hours and Oil-based 8–12 hours.

\* Wait 2–4 hours or until the coating is **tack-free** for Arena water-based coatings before starting the recoat window clock. Turn on HVAC system and air exchange after two hours to remove vapors.

Wait 8–12 hours or until the coating is **tack-free** for Coliseum oil-based coatings before starting the recoat window clock. See chart on page 16 for recoat window timeline. Turn on HVAC system and air exchange after six hours to remove vapors.

**Tack-free: Shoes do not stick to coating after standing on floor 2–3 minutes.**

## 175 rpm Swing Machine Procedures

**What you need:** Screen Clean Ready-To-Use Floor Prep Cleaner and Tacking Solution, 3M #120 grit screens, 3M Surface Prep Pads (SPPs), 175 rpm swing machine, 12 or 14 gauge extension cords, automatic floor scrubber, 36" push brooms (medium bristle), rinsed large white terry tack towels, mop bucket, rinsed clean mop head and handle, doodlebugs, EZ-Way Applicator (optional), Reflections pour can, white floor pads, red or blue floor pads, Workout Muscle Cleaner or Eco E14.

### 1. Prepare the floor for wet cleaning.

**(Wet screening is suggested for older floors with good coating adhesion, are at least four years old and have been coated four times. If the floor doesn't meet these requirements, dry screen prep is strongly recommended.)**

- Complete all jobsite preparation procedures.
- Remove debris that may be stuck on the floor (gum, tape, tar, etc.)
- Dust mop the floor to remove any loose dirt. *Note: To remove any adhesives left from tape, gum, etc. use Buckeye Workout® or Eco Muscle Cleaner E14 and rinse afterwards.*
- Lay out screens on entire gym floor, measuring out 200 square feet per side. Position screens so you know when to flip another side or when to replace with a new screen.

### 2. Scrub the floor with Screen Clean Ready-To-Use Floor Prep Cleaner and Tacking Solution.\*

- Fill the EZ-Way applicator, Buckeye Reflections pour can or mop and bucket with undiluted Screen Clean.
- Apply the cleaner evenly, at approximately 400 square feet per gallon, working with a 200 sq.ft. section of floor at a time.
- Abrade each 200 square foot area with the grain of the wood, a 175 rpm swing machine, and #120 grit screen under a white pad.
- Go over each 200 square foot section with overlapping passes and then scrub the section against the grain adding water as needed to keep the floor wet. Autoscrub with water to vacuum the slurry and scrub rinse with red or blue pads.
- Flip screen over before starting on the next 200 square foot section. Discard screens after using both sides.

### 3. Wet vacuum and rinse the floor with water before it dries.

*Keep Screen Clean Ready-To-Use Floor Prep Cleaner & Tacking Solution clean by using an EZ-Way or Buckeye Reflections pour can.*

- After scrubbing your 200 square foot section in both directions, scrub rinse the floor with an autoscrubber filled with clean water. To remove any water left behind on edges, use a wrung out mop.
- Be careful not to leave footprints or wheel marks behind. Change out rinse water often.

**Tip:** The **autoscrubber** is more efficient than using a portable wet vacuum and mop bucket.

### 4. Tack floor to remove all residue – tack with Screen Clean.

- Remove residue with clean tack towels and push brooms. Make sure the floor is completely dry before applying coating.

**Tip:** A good quality tack cloth is an XL white terry bath towel pre-rinsed with water and dried. Commercial "tack" cloths or "treated" dust mops do not work well. Tacking with Screen Clean will pick up more residue than water alone and may lead to less tacking of the floor. A 5,000 sq.ft. floor requires 8-12 large tack towels. Do not put used towels back into bucket. This will keep rinse and tacking solution clean. Put dirty towels in a separate bucket to be rinsed with water, wrung dry, and reused. If wet cleaning or wet screening with Coliseum coatings, you must wait to coat until the next day.

### 5. Apply Gym Bond – optional (not required for wet screening).

- For best results, use flat finish mops and a clean Reflections pour can. Blue/white finish mops can be used as well. Use multiple flat mops for quicker coating while maintaining a wet edge. Tape floor plates with blue painters tape if desired.
- Apply Gym Bond nozzle to pour can spout. Aim for a 3–4" bead on the floor. If using finish mops, wring tightly.
- Apply **only one coat** of Gym Bond at a coverage of 1,800–2,000 square feet per gallon with the grain of the wood in a tight "figure 8" formation. Do not puddle Gym Bond.
- Allow Gym Bond to dry for 2–3 hours before coating with Arena. For Coliseum products, wait overnight. Higher temperatures and humidity will extend dry times.
- Wipe shoes off on a damp towel and then a dry towel to remove dirt before stepping onto the dry floor with Gym Bond. Allow A/C, air exchange, fans, etc., to run during application and cure time.

\* For Hillyard Contender floors, if not using Gym Bond, #100 grit screens must be used at 150 sq. ft., followed by SPP pads at 150 sq. ft., per side to smooth out screen marks. Reflections strongly recommends using Gym Bond for proper adhesion especially if just using SPPs to scrub. If Gym Bond is used, follow instructions above starting at step 1. Other types of water-based coatings with a high acrylic to urethane ratio (i.e. Sport Kote) will require Gym Bond for proper adhesion regardless if a screen was used to prep the floor last time. Do not screen floors that were prepped with pads previously.

# Wet Clean and Dry Screen

## 175 rpm Swing Machine Procedures

**What you need:** 3M #120 grit screens, 3M Surface Prep Pads (SPPs), 175 rpm swing machine, 12 or 14 gauge extension cords, dry vacuum, automatic floor scrubber, 36" push brooms (medium bristle), rinsed large white terry tack towels, mop bucket, rinsed clean mop head and handle, doodlebugs, white floor pads, red or blue floor pads, Reflections pour can, flat microfiber finish mops or blue/white finish mops and liners for the bucket(s), Screen Clean Ready-To-Use Floor Prep Cleaner and Tacking Solution, Coliseum Odorless Mineral Spirits/Waterless Cleaner, Eco Floor Cleaner Fragrance-Free E32/S32 or Eco Floor Cleaner E33, and Workout Muscle Cleaner or Eco Muscle Cleaner E14.

### 1. Prepare the floor for wet cleaning.

**(This procedure of dry screening can be done on any floor with good coating adhesion and is strongly recommended for newer floors that are four years old or less and have been coated less than four times.)**

- Complete all jobsite preparation procedures.
- Remove debris that may be stuck on the floor (gum, tape, tar, etc.)
- Dust mop the floor to remove any loose dirt.

**Tip:** Repeat several times if necessary.

### 2. Scrub the floor with Eco E32/S32 or E33.\*

- Dilute cleaner into an autoscrubber and scrub with an SPP pad.
- Autoscrubber should be set at medium solution flow.
- After 2,000 square feet, flip pads. Replace once both sides have been used.
- On floors where autoscrubbers are not allowed (new installations), tack floor with Screen Clean until no dirt remains.

### 3. Rinse the floor with an autoscrubber.

- After scrubbing the floor, scrub rinse the floor with an autoscrubber filled with clean water and clean SPPs. To remove any water left behind on edges, use a wrung out mop.
- Be careful not to leave footprints or wheel marks behind. Change out rinse water often.

**Tip:** Pre-rinse both new and used cotton tack towels with water to remove any laundry detergent and fabric softener residue.

### 4. Dry abrade the floor with a #120 Grit Screen\* and vacuum.

- Lay out screens or SPPs on entire gym floor every 400 sq. ft.
- Abrade each 200 sq. ft., area with the grain of the wood, a 175 rpm swing machine, #120 grit screen under a white pad.
- Go over each 200 sq. ft., section with overlapping passes and then abrade the section against the grain.
- Flip screen or SPP before starting on the next 200 sq. ft., section. Discard screens or SPPs outside after using both sides.
- Sweep and dry vac floor to remove all dust from the floor and board seams.

### 5. Tack the floor several times with Screen Clean to remove residue.

**(Tack with Coliseum Odorless Virgin Mineral Spirits/Waterless Cleaner with oil-based coatings)**

- Remove dust or residue with clean tack towels. Wait 24 hours and then do a final tack of the floor.
- Make sure the floor is completely dry before applying coating. Usually about an hour in high humidity conditions.

**Tip:** A good quality tack cloth is an XL white terry bath towel pre-rinsed with water and dried. Commercial "tack" cloths or "treated" dust mops do not work well. Tacking with Screen Clean or Mineral Spirits will pick up more residue than water alone and lead to less tacking of the floor.

A 5,000 sq.ft. floor requires 8-12 large tack towels. Do not put used towels back into bucket. This will keep rinse and tack water clean. Put dirty towels in a separate bucket to be rinsed with water, wrung dry, and reused.

### 6. Apply Gym Bond – optional (not required for dry screening).

- For best results, use flat finish mops and a clean Reflections pour can. Blue/white finish mops can be used as well. Use multiple flat mops for quicker coating while maintaining a wet edge. Tape floor plates with blue painters tape if desired.
- Apply Gym Bond nozzle to pour can spout. Aim for a 3–4" bead on the floor. If using finish mops, wring tightly.
- Apply **only one coat** of Gym Bond at a coverage of 1,800–2,000 square feet per gallon with the grain of the wood in a tight "figure 8" formation. Do not puddle Gym Bond.
- Allow Gym Bond to dry for 2–3 hours before coating with Arena. For Coliseum products, wait overnight. Higher temperatures and humidity will extend dry times.
- Wipe shoes off on a damp towel and then a dry towel to remove dirt before stepping onto the dry floor with Gym Bond. Allow A/C, air exchange, fans, etc., to run during application and cure time.

\* For Hillyard Contender floors, see footnote at the bottom of page 8.

# Autoscrubber Prep with Surface Prep Pads



**What you need:** Screen Clean Ready-To-Use Floor Prep Cleaner and Tacking Solution, Gym Bond Bonding Agent, Gym Bond pour can nozzle, 3M Surface Prep Pads (SPPs), automatic floor scrubber(s), 36" push brooms (medium bristle), rinsed large white terry tack towels, mop bucket, rinsed clean mop head and handle, doodlebugs, Reflections pour can, white floor pads, flat microfiber finish mops or blue/white finish mops and liners for the bucket(s), Workout Muscle Cleaner or Eco E14, Eco E32/S32 or E33 and Buckeye Defoam.

## 1. Prepare the floor for scrubbing.

**(Wet cleaning/scrubbing is suggested for older floors with good coating adhesion, are at least four years old and have been coated four times. This procedure is recommended for floors that were previously done this way. Do not return to screening until the floor has been completely sanded down. Doing so could cause poorly bonded coating to break loose.)**

- Complete all jobsite preparation procedures.
- Remove debris that may be stuck on the floor (gum, tape, tar, etc.)
- Dust mop the floor to remove any loose dirt. *Note: any embedded black marks or adhesives left from tape, gum, etc., use Buckeye Workout or Eco Muscle Cleaner E14. Do this prior to scrubbing as to leave no residue behind.*
- Lay out SPPs on one end of the gym floor every 5-6 feet. This will allow you to know when to flip and change out pads.

## 2. Scrub the floor with Eco E32/S32 or E33.\*

- Fill the autoscrubber(s) solution tank with Eco E32/E33 at ¼ oz per gallon of water.
  - Add the recommended amount of Buckeye Defoam to the autoscrubber recovery tank. This will reduce the amount of foam buildup and save time and trips to empty the recovery tank.
  - Starting at one end of the gym, make a pass down the gym and come back overlapping a couple of boards.
  - Flip SPP and make another trip down the gym and back.
  - Change out the SPP and continue process until the gym is completely scrubbed.
  - To remove any water left behind on edges, use a wrung out mop and clean water.
  - Use doodlebugs to scrub edges and corners where the automatic scrubber cannot reach.
- Floor should be clean, dull and uniform. Repeat abrasion over any shiny areas until no gloss remains.

**Tip:** *For best results, turn water solution down to low or turn off the solution and dry abrade. Results will vary based on machine, orbital or rotary, current coating on the floor, walking speed and down pressure.*

## 3. Scrub rinse the floor with water.

- After scrubbing the entire gym floor with SPPs, empty the autoscrubber and refill with clean water.
- Change out the SPP and scrub rinse the entire gym.
- Remove any water left behind using a clean, wrung-out mop and clean water.

**Tip:** *Make sure the autoscrubber is fully charged the night before using. Depending on the size of the gym, multiple autoscrubbers will speed up the process.*

## 4. Tack the floor to remove all residue – tack with Screen Clean.

- Remove residue with clean tack towels and push brooms. Make sure the floor is completely dry before applying coating.

**Tip:** *A good quality tack cloth is an XL white terry bath towel pre-rinsed with water and dried. Commercial "tack" cloths or "treated" dust mops do not work well.*

*Tacking with Screen Clean will pick up more residue than water alone and may lead to less tacking of the floor.*

*A 5,000 sq.ft. floor requires 8-12 large tack towels. Do not put used towels back into bucket. This will keep rinse and tack water clean. Put dirty towels in a separate bucket to be rinsed with water, wrung dry, and reused. If wet scrubbing with Coliseum coatings, you must wait to coat until the next day.*

## 5. Apply Gym Bond – required with autoscrubber preparation.

- For best results, use flat finish mops and a clean Reflections pour can. Blue/white finish mops can be used as well. Use multiple flat mops for quicker coating while maintaining a wet edge. Tape floor plates with blue painters tape if desired.
- Apply Gym Bond nozzle to pour can spout. Aim for a 3–4" bead on the floor. If using finish mops, wring tightly.
- Apply **only one coat** of Gym Bond at a coverage of 1,800–2,000 square feet per gallon with the grain of the wood in a tight "figure 8" formation. Do not puddle Gym Bond.
- Allow Gym Bond to dry for 2–3 hours before coating with Arena. For Coliseum products, wait overnight. Higher temperatures and humidity will extend dry times.
- Wipe shoes off on a damp towel and then a dry towel to remove dirt before stepping onto the dry floor with Gym Bond. Allow A/C, air exchange, fans, etc., to run during application and cure time.

\* For ALL autoscrub prepped floors, you must use Gym Bond Water-Based Urethane Bonding Agent.

# Arena 300 Wood Floor Coating Application

**What you need:** Lightweight T-bar, nitrile gloves, safety glasses, Buckeye Reflections pour can (sprinkler head removed), applicator pads, cotton rags/paper towels, blue painters tape, razor knife, black, red and blue Sharpie brand (medium tip) permanent markers.

Preparation: Apply Arena 300 only when temperature is between 65 and 95 degrees, and humidity is under 80%. For best results, place Arena 300 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.

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 floor plates, volleyball standards, etc., and trim excess tape. Use Sharpie brand (medium tip) markers to retouch small paint scratches.
2. Fill Buckeye Reflections pour can to the "fill line" on the side of the can with coating, and pour a 4-inch wide line of coating along the starting wall in the same direction of the grain of wood. Add more coating as needed, but do not exceed 6 inches wide. Reduce your line of coating as you get closer to the end of the wall. Coating should not run out until you are making the last pass on the opposite side of the gym.
3. With a clean T-bar and pad, drag T-bar with the grain of the wood at a 45 degree angle to maintain a wet edge flow toward you at all times. The first and second pass will push the coating to the baseboard/bleacher, and all following passes will move the coating around towards the opposite wall. Walk at a regular pace, and apply medium pressure to the lightweight T-bar handle. Walking too fast will whip air into the coating causing excessive foam.
4. Overlap each pass at half the width of the T-bar to keep coating from running back onto the previous pass. Turn the applicator toward you at the end of each pass, and then gently roll out excess coating parallel to wet edge. Do not wring out or push down on the T-bar. This will cause excessive foam in the coating. Starting from the baseboard, feather all turns to keep from missing areas.
5. Follow the recommended coverage of 500–600 sq. ft. per gallon to prevent heavy lapping and dry marks, and be careful not to spread the coating too thin. **If Gym Bond has been applied to the floor, it is imperative that the T-bar is held firm to the floor with down pressure to avoid applying the first coat too heavy. The grip and tackiness of Gym Bond may cause the T-bar to float or chatter. Apply normal pressure for 2<sup>nd</sup> and 3<sup>rd</sup> coats.**
6. 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.  
Tack-free: Shoes do not stick to coating after standing on floor 2–3 minutes. Curing problems may result if there is not enough time between coats. Apply the second coat within 18 hours. If the coating has cured more than 18 hours, abrade the floor with 3M SPPs dry at 200 square feet per side. Vacuum and tack the floor with Screen Clean until dust-free. Wait at least 45 minutes for the floor to dry until coating.
7. After 2–3 hours, turn on HVAC or air handlers after the last coat and keep running until sports play. This will help the curing process and remove any outgassing left from the coating. Also, make sure that the air exchange is on at least 30%. Let the floor cure 48 hours with good air flow before allowing sports play. The coating will be fully cured in one week.
8. Secure gym so no one enters during coating and curing. Do not put anything (such as bleachers or matting) on the floor until after the full cure time. Do not apply tape of any kind onto the floor.
9. When coating is dry and safe to walk on, remove tape from floor plates, volleyball standards, etc.

*Note: 18-hour recoat window begins once the first coat dries to tack-free condition. Wait several hours after first coat is tack-free before applying a second coat. Curing problems may result if there is not enough time between coats.*

# Coliseum 450 OMU Wood Floor Coating Application



**What you need:** Coliseum Odorless, Virgin Mineral Spirits/Waterless Cleaner, heavyweight T-bar, nitrile gloves, safety glasses, Buckeye Reflections pour can (sprinkler head removed), applicator pads, cotton rags/paper towels, blue painters tape, razor knife, and black, red, and blue Sharpie brand (medium tip) permanent markers.

Preparation: Apply Coliseum 450 only when temperature is between 65 and 95 degrees, and humidity is under 80%. For best results, place Coliseum 450 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.

1. Before applying each coat turn off HVAC system. Then 6–8 hours after applying each coat, turn on the HVAC system to allow for proper drying and curing. Put painter's tape on floor plates, volleyball standards, etc., and trim excess tape. Use Sharpie brand (medium tip) markers to retouch small paint scratches.
2. Fill Buckeye Reflections pour can to the "fill line" on the side of the can with coating, and pour a 4-inch wide line of coating along the starting wall in the same direction of the grain of wood. Add more coating as needed, but do not exceed 6 inches wide. Coating should not run out until you are making the last pass on the opposite side of the gym.
3. With a clean T-bar and pad, drag T-bar with the grain of the wood at a 45 degree angle to maintain a wet edge flow toward you at all times. The first and second pass will push the coating to the baseboard/bleacher, and all following passes will move the coating around towards the opposite wall. Walk at a slow to regular pace, and keep the **heavyweight** T-bar head pushed firmly to the floor. Walking too fast may cause puddling and excessive foam.
4. Overlap each pass at half the width of the T-bar to keep coating from running back onto the previous pass. Turn the applicator toward you at the end of each pass, and then gently roll out excess coating parallel to wet edge. Do not wring out or push down on the T-bar. This will cause excessive foam in the coating. Starting from the baseboard, feather all turns to keep from missing areas.
5. Follow the recommended coverage of 500–600 sq. ft. per gallon to prevent heavy lapping and dry marks, and be careful not to spread the coating too thick. **If Gym Bond has been applied to the floor, it is imperative that the T-bar is held firm to the floor with down pressure to avoid applying the first coat too heavy. The grip and tackiness of Gym Bond may cause the T-bar to float or chatter.**
6. Apply 1 or 2 coats of coating, and allow 8–12 hours for the first coat to dry to tack-free.  
Tack-free: Shoes do not stick to coating after standing on floor 2–3 minutes. **High humidity and/or low temperature conditions will lengthen drying time.** Allow 16–24 hours after first coat dries to tack-free before applying second coat for a bare minimum of 24 hours before applying the second coat if desired. The 24-hour window starts after first coat dries to tack-free.  
If the coating has cured more than 36 hours, abrade the floor with 3M SPPs dry at 200 square feet per side. Vacuum and tack the floor with Coliseum Odorless, Virgin Mineral Spirits/Waterless Cleaner until dust free. Wait at least 1 hour for the floor to dry until coating.
7. After 6-8 hours, turn on HVAC or air handlers after the last coat and keep running until sports play. Make sure air exchange is at least 30%. This will help the curing process and remove any outgassing left from the coating. Let the floor cure 1 week with good air flow before allowing sports play. The coating will be fully cured in two weeks.
8. Secure gym so no one enters during coating and curing. Use Coliseum Odorless, Virgin Mineral Spirits/Waterless Cleaner for cleanup of equipment that comes in contact with Coliseum 450. Do not put anything (such as bleachers or matting) on the floor until after the full cure time. Do not apply tape of any kind onto the floor.
9. When coating is dry and safe to walk on, remove tape from floor plates, volleyball standards, etc.

*Notes: 24-hour recoat window begins after first coat dries to tack-free condition. Wait several hours after first coat is tack-free before applying the second coat. Curing problems may result if there is not enough time between coats.*

# Coliseum 350 Wood Floor Coating Application



**What you need:** Coliseum Odorless, Virgin Mineral Spirits/Waterless Cleaner, heavyweight T-bar, nitrile gloves, safety glasses, Buckeye Reflections pour can (sprinkler head removed), applicator pads, cotton rags/paper towels, blue painters tape, razor knife, and black, red, and blue Sharpie brand (medium tip) permanent markers.

Preparation: Apply Coliseum 350 only when temperature is between 65 and 95 degrees, and humidity is under 80%. For best results, place Coliseum 350 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.

1. Before applying each coat turn off HVAC system. Then 6–8 hours after applying each coat, turn on the HVAC system to allow for proper drying and curing. Put painter's tape on floor plates, volleyball standards, etc., and trim excess tape. Use Sharpie brand (medium tip) markers to retouch small paint scratches.
2. Fill Buckeye Reflections pour can to the "fill line" on the side of the can with coating, and pour a 4-inch wide line of coating along the starting wall in the same direction of the grain of wood. Add more coating as needed, but do not exceed 6 inches wide. Coating should not run out until you are making the last pass on the opposite side of the gym.
3. With a clean T-bar and pad, drag T-bar with the grain of the wood at a 45 degree angle to maintain a wet edge flow toward you at all times. The first and second pass will push the coating to the baseboard/bleacher, and all following passes will move the coating around towards the opposite wall. Walk at a slow to regular pace, and keep the **heavyweight** T-bar head pushed firmly to the floor. Walking too fast may cause puddling and excessive foam.
4. Overlap each pass at half the width of the T-bar to keep coating from running back onto the previous pass. Turn the applicator toward you at the end of each pass, and then gently roll out excess coating parallel to wet edge. Do not wring out or push down on the T-bar. This will cause excessive foam in the coating. Starting from the baseboard, feather all turns to keep from missing areas.
5. Follow the recommended coverage of 500–600 sq. ft. per gallon to prevent heavy lapping and dry marks, and be careful not to spread the coating too thick. **If Gym Bond has been applied to the floor, it is imperative that the T-bar is held firm to the floor with down pressure to avoid applying the first coat too heavy. The grip and tackiness of Gym Bond may cause the T-bar to float or chatter.**
6. Apply 1 or 2 coats of coating, and allow 8–12 hours for the first coat to dry to tack-free.  
Tack-free: Shoes do not stick to coating after standing on floor 2–3 minutes. **High humidity and/or low temperature conditions will lengthen drying time.** Allow 16–24 hours after first coat dries to tack-free before applying second coat for a bare minimum of 24 hours before applying the second coat if desired. The 24-hour window starts after first coat dries to tack-free.  
If the coating has cured more than 36 hours, abrade the floor with 3M SSPs dry at 200 square feet per side. Vacuum and tack floor with Coliseum Odorless, Virgin Mineral Spirits/Waterless Cleaner until dust free. Wait at least 1 hour for floor to dry until coating.
7. After 6-8 hours, turn on HVAC or air handlers after the last coat and keep running until sports play. Make sure air exchange is at least 30%. This will help the curing process and remove any outgassing left from the coating. Let the floor cure 1 week with good air flow before allowing sports play. The coating will be fully cured in two weeks.
8. Secure gym so no one enters during coating and curing. Use Coliseum Odorless, Virgin Mineral Spirits/Waterless Cleaner for cleanup of equipment that comes in contact with Coliseum 350. Do not put anything (such as bleachers or matting) on the floor until after the full cure time. Do not apply tape of any kind onto the floor.
9. When coating is dry and safe to walk on, remove tape from floor plates, volleyball standards, etc.

*Notes: 24-hour recoat window begins after first coat dries to tack-free condition. Wait several hours after first coat is tack-free before applying the second coat. Curing problems may result if there is not enough time between coats.*

# Super 40 Gym Coating Application



**What you need:** Coliseum Odorless, Virgin Mineral Spirits/Waterless Cleaner, heavyweight T-bar, nitrile gloves, safety glasses, Buckeye Reflections pour can (sprinkler head removed), applicator pads, cotton rags/paper towels, blue painters tape, razor knife, and black, red, and blue Sharpie brand (medium tip) permanent markers.

Preparation: Apply Super 40 only when temperature is between 65 and 95 degrees, and humidity is under 80%. For best results, place Super 40 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

1. Before applying each coat turn off HVAC system. Then 6–8 hours after applying each coat, turn on the HVAC system to allow for proper drying and curing. Put painter's tape on floor plates, volleyball standards, etc., and trim excess tape. Use Sharpie brand (medium tip) markers to retouch small paint scratches.
2. Fill Buckeye Reflections pour can to the "fill line" on the side of the can with coating, and pour a 4-inch wide line of coating along the starting wall in the same direction of the grain of wood. Add more coating as needed, but do not exceed 6 inches wide. Coating should not run out until you are making the last pass on the opposite side of the gym.
3. With a clean T-bar and pad, drag T-bar with the grain of the wood at a 45 degree angle to maintain a wet edge flow toward you at all times. The first and second pass will push the coating to the baseboard/bleacher, and all following passes will move the coating around towards the opposite wall. Walk at a slow to regular pace, and keep the **heavyweight** T-bar head pushed firmly to the floor. Walking too fast may cause puddling and excessive foam.
4. Overlap each pass at half the width of the T-bar to keep coating from running back onto the previous pass. Turn the applicator toward you at the end of each pass, and then gently roll out excess coating parallel to wet edge. Do not wring out or push down on the T-bar. This will cause excessive foam in the coating. Starting from the baseboard, feather all turns to keep from missing areas.
5. Follow the recommended coverage of 500–600 sq. ft. per gallon to prevent heavy lapping and dry marks, and be careful not to spread the coating too thick. **If Gym Bond has been applied to the floor, it is imperative that the T-bar is held firm to the floor with down pressure to avoid applying the first coat too heavy. The grip and tackiness of Gym Bond may cause the T-bar to float or chatter.**
6. Apply 1 or 2 coats of coating, and allow 8–12 hours for the first coat to dry to tack-free.  
Tack-free: Shoes do not stick to coating after standing on floor 2–3 minutes. **High humidity and/or low temperature conditions will lengthen drying time.** Allow 6–14 hours after first coat dries to tack-free before applying second coat for a bare minimum of 14 hours before applying the second coat. The 14-hour window starts after first coat dries to tack-free.  
If the coating has cured more than 36 hours, abrade the floor with 3M SPPs dry at 200 square feet per side. Vacuum and tack the floor with Coliseum Odorless, Virgin Mineral Spirits/Waterless Cleaner until dust free. Wait at least 1 hour for the floor to dry until coating.
7. After 6-8 hours, turn on HVAC or air handlers after the last coat and keep running until sports play. Make sure air exchange is at least 30%. This will help the curing process and remove any outgassing left from the coating. Let the floor cure 1 week with good air flow before allowing sports play. The coating will be fully cured in two weeks.
8. Secure gym so no one enters during coating and curing. Use Coliseum Odorless, Virgin Mineral Spirits/Waterless Cleaner for cleanup of equipment that comes in contact with Super 40. Do not put anything (such as bleachers or matting) on the floor until after the full cure time. Do not apply tape of any kind onto the floor.
9. When coating is dry and safe to walk on, remove tape from floor plates, volleyball standards, etc.

*Notes: 24-hour recoat window begins after first coat dries to tack-free condition. Wait several hours after first coat is tack-free before applying the second coat. Curing problems may result if there is not enough time between coats.*

# Coliseum 275 Wood Floor Coating Application

**What you need:** Coliseum Odorless, Virgin Mineral Spirits/Waterless Cleaner, heavyweight T-bar, nitrile gloves, safety glasses, Buckeye Reflections pour can (sprinkler head removed), applicator pads, cotton rags or paper towels, blue painters tape, razor knife, and black, red, and blue Sharpie brand (medium tip) permanent markers.

Preparation: Apply Coliseum 275 only when temperature is between 65 and 95 degrees, and humidity is under 80%. For best results, place Coliseum 275 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

1. Before applying each coat turn off HVAC system. Then 6–8 hours after applying each coat, turn on the HVAC system to allow for proper drying and curing. Put painter's tape on floor plates, volleyball standards, etc., and trim excess tape. Use Sharpie brand (medium tip) markers to retouch small paint scratches.
2. Fill Buckeye Reflections pour can to the "fill line" on the side of the can with coating, and pour a 4-inch wide line of coating along the starting wall in the same direction of the grain of wood. Add more coating as needed, but do not exceed 6 inches wide. Coating should not run out until you are making the last pass on the opposite side of the gym.
3. With a clean T-bar and pad, drag T-bar with the grain of the wood at a 45 degree angle to maintain a wet edge flow toward you at all times. The first and second pass will push the coating to the baseboard/bleacher, and all following passes will move the coating around towards the opposite wall. Walk at a slow to regular pace, and keep the **heavyweight** T-bar head pushed firmly to the floor. Walking too fast may cause puddling and excessive foam.
4. Overlap each pass at half the width of the T-bar to keep coating from running back onto the previous pass. Turn the applicator toward you at the end of each pass, and then gently roll out excess coating parallel to wet edge. Do not wring out or push down on the T-bar. This will cause excessive foam in the coating. Starting from the baseboard, feather all turns to keep from missing areas.
5. Follow the recommended coverage of 500–600 sq. ft. per gallon to prevent heavy lapping and dry marks, and be careful not to spread the coating too thick. **If Gym Bond has been applied to the floor, it is imperative that the T-bar is held firm to the floor with down pressure to avoid applying the first coat too heavy. The grip and tackiness of Gym Bond may cause the T-bar to float or chatter.**
6. Apply only one coat of wood floor coating. Additional coats are not recommended. **High humidity and/or low temperature conditions will lengthen drying time.** Let floor dry at least 24 hours before reentering room. Let the floor dry a minimum of 72 hours before light use. Allow 7 days for sports play.
7. After 8–12 hours, turn on HVAC or air handlers and keep running until sports play. Make sure air exchange is at least 30%. This will help the curing process and remove any outgassing left from the coating. Let the floor cure 1 week with good air flow before allowing sports play. The coating will be fully cured in two weeks.
8. Secure gym so no one enters during coating and curing. Use Coliseum Odorless, Virgin Mineral Spirits/Waterless Cleaner for cleanup of equipment that comes in contact with Coliseum 275. Do not put anything (such as bleachers or matting) on the floor until after the full cure time. Do not apply tape of any kind onto the floor.
9. When coating is dry and safe to walk on, remove tape from floor plates, volleyball standards, etc.

*Note: Missed areas may be retouched if noticed immediately.*

# Recoating Specifications



Product	Applicator	Coverage Rate	Recoat Window	Play Time	Cure Time	VOC
<b>Coliseum 450*</b>	18" or 24" Heavyweight T-bar	500–600 Square Feet / Gallon	16–24 Hours after Tack-Free	5–7 Days	2 Weeks	450
<b>Coliseum 350*</b>	18" or 24" Heavyweight T-bar	500–600 Square Feet / Gallon	16–24 Hours after Tack-Free	5–7 Days	2 Weeks	350
<b>Coliseum 275</b>	18" or 24" Heavyweight T-bar	500–600 Square Feet / Gallon	2nd Coat Not Recommended	7 Days	2 Weeks	275
<b>Arena 300</b>	18" or 24" Lightweight T-bar	500–600 Square Feet / Gallon	4–18 Hours after Tack-Free	2 Days	1 Week	95
<b>Super 40</b>	18" or 24" Heavyweight T-bar	500–600 Square Feet / Gallon	6–14 Hours after Tack-Free	5–7 Days	2 Weeks	<497

**Tack-free** – Shoes do not stick to coating after standing on floor 2–3 minutes

**Recoat Window** – Time between coats that dried coating may accept next coat without screening.\*

**Play Time** – Time needed before allowing traffic on the floor. More time is always better.

**Cure Time** – Time needed before using equipment, cleaning solution, matting, or aggressive activity.

Recoat Window, Play Time, and Cure Times will lengthen when temperature and humidity are higher. Letting air flow through the room without introducing contaminants is needed to get rid of coating vapor and promote proper cure.

\* Polyurethanes must be screened if recoated outside recoat window.

† **Coliseum products normally dry to tack-free in 8–12 hours. Arena products normally dry to tack-free in 2–4 hours. High humidity and/or low temperature conditions will lengthen drying time.**

## Wood Floor Precautions

- Give the floor time to cure after coating is applied:
  - 7 days for water-based coating
  - 14 days for polyurethane coating
    - Do not use water or any cleaners during cure time.
    - Do not set down walk off mats during cure time.
    - Do not put plastic or other materials on floor during cure time.
    - If possible limit play on floor until after cure time.
    - Do not pull out bleachers, place chairs, use scissor lifts, autoscrubbers, etc., during cure time.
- Do not use resilient finish, wax, or restorers on wood floor as these products will cause peeling or slippery conditions and expensive repairs.
- Dust mop treatment may cause slippery conditions that interfere with recoating.
- Do not “wet” mop wood floors because too much water may damage the floor. Damp mop with a flat microfiber mop.
- Always work with the grain of the wood during procedures including dust mopping, tacking, abrading, applying coating and cleaning.
- Follow all product label directions.
- Place walk-off mats at entrances to prevent dust, grit, and moisture from tracking into gym.
- To prevent scratching, put floor protectors on any furniture that may be on wood floor.
- Dust mop several times a day to prevent dust and grit from damaging the shine of the coating.
- Applying wood coating to damaged or peeling wood floors is not recommended.
- Do not apply tape of any kind to the floor.

# Maintenance Procedures



**What you need:** Push broom, scraper, untreated dust mop, wet mop, bucket and wringer, autoscrubber, vacuum cleaner, dust pan, Eco Floor Cleaner Fragrance-Free E32/S32 or Eco Floor Cleaner E33, high speed burnisher.

*Note: Floortonic and a high speed burnisher are only to be used with Arena water-based wood floor coatings.*

## Daily/ Weekly

1. Spot damp mop spills and let dry using Eco E32 or E33 at ¼ oz. per gallon of water.
2. Dust mop with untreated mop to remove surface dust. Microfiber dust mops work best.
3. Vacuum entryway mats.

## As Needed

1. Use push broom or vacuum to remove heavy grit.
2. Use a white pad and Eco E32/S32 or E33 to remove black marks. **\* If autoscrubbers are not allowed on the gym (new installations, etc.), tack floor with Screen Clean and a clean white bath towel until no dirt remains.**
3. Remove gum and tape.
4. Use protective matting in high traffic areas during special events or any structural maintenance.

## Special

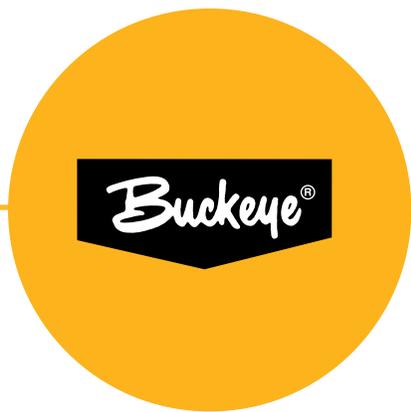
1. Prior to special events on the gym floor, scrub the floor with an autoscrubber, white pad and Eco E32/S32 or E33 to remove heavy soil films. **\* If autoscrubbers are not allowed on the gym (new install, etc.), tack floor with Screen Clean and a clean white bath towel until no dirt remains.**
2. Burnish the floor with Floortonic to restore gloss on Arena 300 water-based wood floor coating. This burnishing technique may be done at owners' discretion. **\* Please see Floortonic catalog sheet for further instructions on burnishing Arena products.**

## Notes

1. Frequent use of an autoscrubber is not recommended. Grit will accumulate in the cleaning pads and scratch the floor, which removes gloss prematurely. Also, moisture may build up in wood floor boards and cause damage to the floor.
2. Dust mops often leave a fine dry talc-like powder behind that can cause slipping. A second dry or damp tacking of the floor with microfiber materials is recommended.
3. Solvent-based polyurethane coatings do not respond to high speed burnishing.
4. No Tape — Game lines, matting and extension cord tape may remove coating.
5. Complete the cleaning procedures listed above to avoid slip problems







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