



Bulletin Number: 1209

Solvent to Water and Back Again

Buckeye Arena 300 water-based wood floor coatings may be applied over any existing solvent based polyurethane provided the surface is properly prepared. The reverse is not true however when dealing with competitive water based products. While Coliseum 275, 350, 450 and Super 40 may be applied directly over Arena 300; these solvent-based urethanes may not be applied directly over any water-based acrylic/urethane. These products do not have the level of chemical resistance necessary to withstand the soaking of a solvent-based coating. To go from a water-based acrylic/urethane to a solvent-based urethane, a “transition” coat of Arena 300 must be applied first.

Note: If present coating is suspected of poor adhesion or of having a traditional floor finish on it, a cross-hatch adhesion test and stripper test should be performed, respectively, prior to the floor preparation process. For inquiries, please see Research Fact Sheet 1609 at buckeyereflections.com.

Clean and abrade the floor with **Screen Clean**, 120 grit sanding screens or Surface Prep Pads (200 square feet per side). Rinse floor with autoscrubbers, red pads and plain water. Tack with Screen Clean or plain water. (Refer to the Reflections Procedure Manual for full instructions.) Apply one coat of Arena 300 with lightweight T-bars at 500-600 square feet per gallon. Ventilate well and allow the coat to dry “tack free” for 2-3 hours, then turn the HVAC back on and keep it running.

Allow Arena to cure for three days. Roughen the Arena with swing machines and dry SPP pads (200 square feet per side). Vacuum up the dust. Make a final pass with autoscrubbers equipped with red pads and plain water. Tack with Screen Clean or plain water. Allow the floor to dry overnight.

The next day, remove any remaining dust with tack towels and mineral spirits. Do not over wet the tack towels. Allow floor to dry. Turn off HVAC or air movers. Apply Coliseum oil-based urethanes with heavy weight T-bars at a coverage of 500-600 sq. ft. per gallon. Turn the HVAC on after 6 hours of dry time and keep it on to speed up curing. If applying a second coat, turn off the HVAC before applying and follow recoat window guidelines in accordance with the product label, literature or Reflections procedure manual.

Keep the HVAC on during the curing process and allow the floor to cure a full 7 days after last coat before opening to light sports play. The coating will be fully cured in two weeks.

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