

# WAXIE Ultra Guard

Wood Floor Preparation, Application & Maintenance Manual



The Most Trusted Name In Clean. Since 1945.



## Products & Pro Tips To Keep Your Floors On Point

WAXIE Ultra Guard will simplify your wood floor care maintenance program while simultaneously taking it to a level previously unavailable in our industry. WAXIE has combined the finest wood floor maintenance chemicals, pads and equipment to give you the WAXIE Ultra Guard Advantage.

At the heart of the WAXIE Ultra Guard program are the coatings – WAXIE Ultra Sport finishes have unique high performance technology that provides the very best durability, gloss and protection for the floor surface, while providing a safe and stable surface for people to use.

**WAXIE Ultra Sport Premium Wood Coating** | [MFMA Certified](#) | 934660 5 gl drum

**WAXIE Ultra Sport II Premium Wood Coating** | [MFMA Certified](#) | 934661 5 gl drum

**WAXIE Ultra Sport 40 Premium Wood Coating** | 934662 5 gl drum

**WAXIE Ultra Pro Seal Waterborne Sanding Sealer** | 934663 5 gl drum

**WAXIE Ultra Clean Wood Floor Cleaner** | 320895 4 gl/cs

**WAXIE Ultra Prep Wood Floor Cleaner & Restorer** | 320896 4 gl/cs

# How Do I Get Started?

1. Arrange a meeting with your WAXIE Account Consultant to schedule a time to survey the facility and complete a Wood Floor Profile form.
2. Contact plant managers, athletic directors, coaches, school principals and other stakeholders in order to determine their scheduling needs.
3. Review facility's floor recoat history and maintenance program to establish wood finish compatibility.
4. Discuss current maintenance procedures and any previous or existing issues with wood floors and coatings.
5. Inspect the wood floor and complete the Wood Floor Profile Form.
6. Prior to recoating the wood floor, remove tape, gum and scrape clean any heavily soiled baseboards.
7. If there are floor board repairs and/or line repainting needed, complete it several days prior to recoating the wood floor, as preparation and paint application takes time.
8. Confirm that the floor prep team is available and has the specific wood floor training required to work with the WAXIE wood floor coatings properly.
9. Confirm that all equipment that will be required for the job is in good working condition, and that all battery operated equipment will provide the proper battery run time needed to complete the job without interruption. If the floor is to be prepared using an autoscrubber, the machine MUST have pad pressure in excess of 125 pounds, with pad-locking capabilities.
10. Be sure to check power supply and capability to run multiple electric floor machines at the same time.

**PREP TIP:** Be sure that you have complete control of the air handlers and fans (HVAC)! If the air generated from the systems vents blows directly onto the floor surface, you will need to turn them off during the coating application process and then back on when the coating has dried sufficiently so as not to be negatively affected by this airflow.



# Determining a Wood Floor Preparation Method

Most wood floors can be brought back to “like-new” with a simple deep scrub and recoat process. This process eliminates the messy and time-consuming need for recoating continually. The following floor conditions on the chart below will dictate the recommended preparation method and coating.

## Wood Floor Preparation Checklist

- Fill out the Wood Floor Profile form.
- Consult Materials Checklist and obtain supplies.
- Develop an action plan with the properly trained staff to do the work.
- Provide a copy of the completed and signed wood floor profile form, noting any specific areas of concern.
- Make sure that all parties agree on the existing conditions and the plan to work through them before continuing.

	Existing Condition	Suggested Prep Method	Recommended Coating
1	Well finished, soiled and marked.	Low Speed Floor Machine OR Autoscrubber	WAXIE Ultra Sport finishes
2	Moderate finish buildup, some peeling, heavily soiled and marked.	Low Speed Floor Machine OR Autoscrubber — corrective action must be taken for peeling	WAXIE Ultra Sport finishes
3	Moderate finish buildup, some bare wood, large and numerous spaces/gaps, heavily soiled and marked.  Wood parquet floors or low grade wood floors that experience severe reactions (movement) due to increased levels of moisture and/or humidity.	Low Speed Floor Machine  3M Surface Preparation Pads (SPP) or 220 grit sand screens. No moisture is to be used on the floor.  Tacking procedure — Use WAXIE Ultra Clean to remove dry material ONLY!	<b>STOP!</b>  Consult WAXIE floor care professional before proceeding. The following guidelines may not apply.

**TECH TIP:** Epoxy Floor Finishes/Coatings have historically proven to have poor adhesion properties with most coating types. Failure to identify and adjust floor preparation procedures for recoating over these products may result in poor adhesion and eventual peeling problems. If you know that your wood floor currently has this type of coating on your floor or are unclear as to the current coating on your floor, assume that it is an epoxy finish and perform the procedures as listed below (steps 6-8 on page 9) after you have performed the wet-prep procedure. If you do not know, or are unclear as to the current coatings assume that it is an epoxy finish.

# Materials Checklist: What Do I Need?

## Equipment

### Ride On Autoscrubbers

- Advance 2800 ST 28" (#570448)
- Advance Advenger Rev Rider Scrubber (#570444)
- NSS Champ 2929 28" (#570561)

### Walk Behind Autoscrubbers

- Advance SC750 –28R Rev Orbital Scrubber (#570443)
- NSS Wrangler 2625 DB 26" (#570615)
- Advance SC1500R Rev 20" Orbital Scrubber (#570453)

### Floor Machines – 175 RPM/Orbital & Accessories

- Advance Pacesetter 20" HD Floor Machine w/Pad Driver (#571041)
- WAXIE 20" 1.5 HP Floor Machine w/o Pad Driver (#571027)
- 20" Pad Driver for above floor machines (#571530)
- Square Scrub EBG-20/C Orbital Surface Preparation Machine (#571052)
- Windsor Taz Deluxe Orbital Floor Machine (#575800)
- Windsor Taz Weight kit for above machine (#575809)

### High Speed Burnishers

- Advance BU800 20" Battery Burnisher (#571141)
- NSS Charger 2717DB Battery Burnisher (#571133)
- Windsor Chariot-2 iGloss 20" Battery Burnisher (#571170)

### Wet/Dry Vacuums

- WAXIE 24-gallon Wet/Dry w/Front Mount Squeegee Kit (#572303)
- ICE iW90 20-Gallon Wet/Dry Vacuum (#577302)

### Back Pack Vacuums & Accessories

- WAXIE 10-Quart Backpack Vacuum w/Tools (#577418)
- ProTeam SuperCoach Pro 10-Quart w/ProBlade Hard Surface Tool Kit (#577414)
- ProTeam SuperCoach Pro 10 Interceptor Micro Filter (#573160)

### Walk Behind Sweepers (Battery Powered)

- Advance Terra 28B 28" (#576616)

## Tools & Supplies

- Wet Floor Signs (#660360)
- Caution Tape (#791470)
- 6' Floor Cleaning Frame (#88WIPM800080)
- 6' Floor Cleaning Towels (#88WIPBTEC2480)
- Tack Cloths (#770105)
- Mop-Bucket-Wringer (side press) (#660252)
- Mop Handle, Fiberglass 60" (#650701)
- Razor Scraper (#290830)
- Putty Knife 1.5" Stiff Metal (#290910)
- T-Bar (Lightweight) Applicator Tool 24" (#658080)
- T-Bar (Lightweight) Applicator Tool 18", no handle (#658014)
- T-Bar Applicator Replacement Pad 18" (#658016)
- T-Bar Applicator Replacement Pad 24" (6/cs) (#658081)
- Omniflex Trolley Bucket (#655301)
- Doodlebug Pad Holder (#350310)
- SPP Doodlebug Pad (#262120)
- Brown Pads 5/bx (#350360)
- 20" 3M 120 Grit screens (#264125)
- 20" 3M 180 Grit Sand Screen (#264127)  
(Other Grits/Sizes Available Special Order)
- 13" 3M Maroon Surface Preparation Pad (SPP) (#264133)
- 14" 3M Maroon Surface Preparation Pad (SPP) (#264134)
- 17" 3M Maroon Surface Preparation Pad (SPP) (#264131)
- 20" 3M Maroon Surface Preparation Pad (SPP) (#264132)
- 14"x20" 3M Maroon Surface Preparation Pad (SPP)(#264135)
- 14"x20" Square Scrub 120 Grit Sand Screen (#260506)
- 13" White Cleaning Pad (#261313)
- 14" White Cleaning Pad (#261314)
- 17" White Cleaning Pad (#261320)
- 20" White Cleaning Pad (#261350)
- SPP Doodlebug Pad (#262120)
- 20" Natural Blend Burnishing Pad (#263620)
- 27" Natural Blend Burnishing Pad (#263627)

## Coatings & Cleaning Chemicals

- WAXIE Ultra Sport Premium Wood Coating (#934660)
- WAXIE Ultra Sport II Premium Wood Coating (#934661)
- WAXIE Ultra Sport 40 Premium Wood Coating (#934662)
- WAXIE Ultra Pro Seal Waterborne Sanding Sealer (#934663)
- WAXIE Ultra Clean Wood Floor Cleaner (#320895)
- WAXIE Ultra Prep Wood Floor Cleaner & Restorer (#320896)
- WAXIE Citrus Solvent Degreaser (#410034)

## PREPARING WOOD FLOORS | FOR EXISTING FLOOR CONDITIONS 1 & 2 (SEE PG. 4)

175 RPM or Orbital

1



Remove tape, labels and gum with a razor scraper or putty knife. Angle the blade so you don't damage the coating. Sticker and label residue can be removed with a waterless cleaner or WAXIE Citrus Solvent Degreaser (#410034).

2



Using a back pack vacuum and a hard floor tool, vacuum the entire perimeter of the floor, including under the bleachers to insure that any and all sand, dust and dry foreign material is removed from the floor.

3



Apply WAXIE Ultra Prep (#320896) diluted at 8 ounces per gallon (1:16) of water to 225 square feet of flooring (15' x 15'). Let dwell for 5 minutes. Do not let the area dry — if the area does dry, reapply WAXIE Ultra Prep.

4



Scrub the floor with a floor machine equipped with maroon colored Surface Preparation Pads (SPP) or 220 grit sand screens. Heel the machine gently on stubborn marks.

SPP pads should be flipped one time after 4 sections (15' x 15') or 900 sq/ft total have been scrubbed. Once both sides have been used, replace the SPP pad with a new pad and begin again.

5



Be sure to use a doodlebug and SPP pad on the edges and hard-to-reach areas.

6



Pick up scrubbed solution immediately after area has been completed using an autoscrubber, wet/dry vacuum or damp mop and bucket.

## PREPARING WOOD FLOORS | FOR EXISTING FLOOR CONDITIONS 1 & 2 (SEE PG. 4)

175 RPM or Orbital

7



Once the floor has completely dried from the wet-prep phase, a dry-clean abrasion step is performed to ensure that any remaining scuffs and soil are removed from the floor prior to finish being applied. This step also provides additional adhesion benefits. Scrub the floor dry with a floor machine equipped with maroon colored Surface Preparation Pads (SPP) or 220 grit sand screens. SPP pads should be flipped one time after 4 sections (15' x 15') or 900 sq/ft total have been dry-scrubbed. Once both sides have been used, replace the SPP pad with a new pad and begin again.

8



Rinse the floor thoroughly using WAXIE Ultra Clean Wood Floor Cleaner (#320895) diluted at 2 ounces per gallon of water (1:64) in an autoscrubber with red pads, SPP Pads or rinse with a well wrung mop. Mop rinse all corners and edges to insure that the entire floor is rinsed.

9

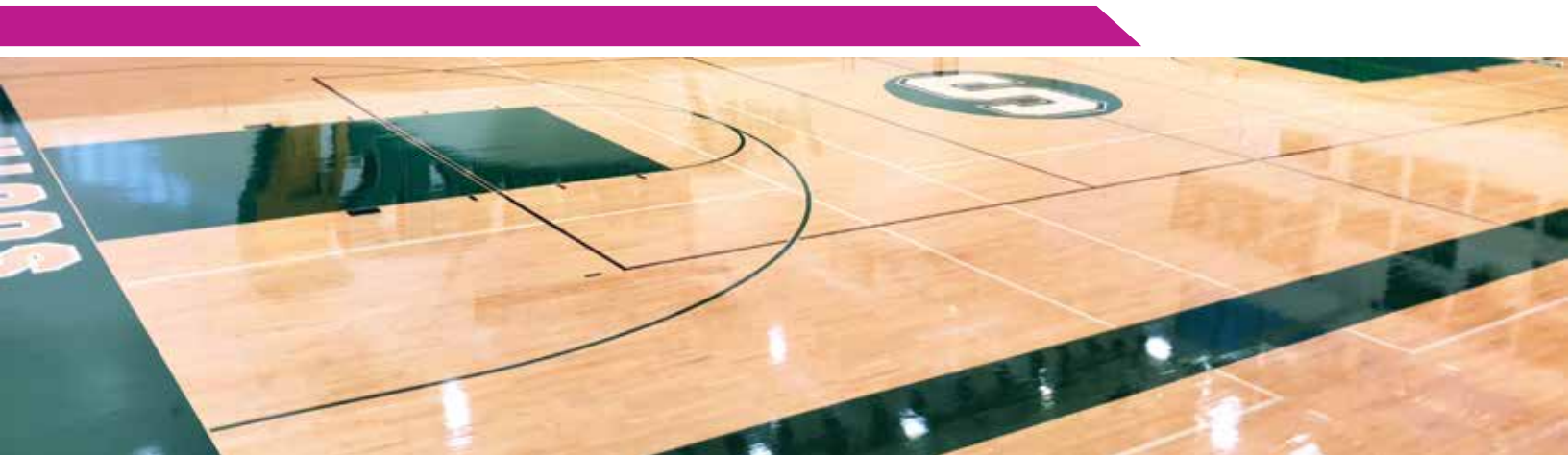


If there is any residue on the floor after the wet/dry or autoscrubber has been used, tack-rag the floor using a clean towel soaked in WAXIE Ultra Clean (#320895) mixed 2 ounces per gallon of water (1:64) and wrung out well.

10



Inspect the floor. It should be dull and clean. To be sure the floor is free of dust and residue, wipe your hand across the floor in random areas to insure a thorough inspection. If your hand has any residue on it, rinse the floor again where the residue was found. If large amounts are present, tack the floor again. Let the floor dry completely before applying finish.



## PREPARING WOOD FLOORS | FOR EXISTING FLOOR CONDITIONS 1 & 2 (SEE PG. 4)

### Autoscrubber Method

1



Remove tape, labels and gum with a razor scraper or putty knife. Angle the blade so you don't damage the coating. Sticker and label residue can be removed with a waterless cleaner or WAXIE Citrus Solvent Degreaser (#410034).

2



Using a back pack vacuum and a hard floor tool, vacuum the entire perimeter of the floor, including under the bleachers to insure that any and all sand, dust and dry foreign material is removed from the floor.

3



Mix WAXIE Ultra Prep (#320896) diluted at 8 ounces per gallon (1:16) of water into the autoscrubbers solution tank. WAXIE Ultra Prep will be applied to the floor surface while scrubbing. Always work the floor in the direction that the boards are going if possible, as this will help to insure that the proper overlapping of each pass is accomplished.

4



Proper sized SPP pads should be installed on the pad drivers with a cushion-pad put in place between the machines driver and the SPP or Ecostrip pad. The autoscrubbers pad pressure should be set on maximum pad pressure at all times, (125 lbs or more required). The squeegee should be down on the floor and the vacuum system on and functioning properly. Set the machines solution control at a level that provides enough solution to the floor to fully saturate the floor pads while in operation, but not too high where the solution is spraying out from underneath the scrub deck. Begin the first pass with the machine against the wall/bleachers and scrub at a slow consistent pace. Scrub in the direction of the boards and flip pads every 3 passes (back/forth), flip the pads to their fresh side and scrub three more passes. Replace the used SPP pads with new SPP pads and continue scrubbing. Total square footage per pad side should not exceed 500 sq/ft per side (1000 sq/ft per pad).

5



Be sure to use a doodlebug and SPP pad on the edges and hard to reach areas.



## PREPARING WOOD FLOORS | FOR EXISTING FLOOR CONDITIONS 1 & 2 (SEE PG. 4)

### Autoscrubber Method

6



Once the floor has completely dried from the wet-prep phase, a dry abrasion step is performed to ensure that any remaining scuffs and soil are removed from the floor prior to finish being applied. This step provides additional adhesion benefits as well. Scrub the floor with a floor machine equipped with 220 grit sand screens. The screen should be flipped one time after 700 sq/ft has been dry-scrubbed, continuing with the next 700 sq/ft section until both sides have been used. Replace the screen and continue until the entire area has been completed. Total square footage per screen side should not exceed 700 sq/ft per side (1400 sq/ft per screen). **Tech Tip:** Be sure that a cushion pad has been placed between the screen and the pad driver on the machine.

7



After the entire floor is dry-scrubbed, rinse the entire floor. Use the autoscrubber equipped with a worn set of SPP pads and WAXIE Ultra Clean Wood Floor Cleaner (#320895) mixed at 2 ounces per gallon of water (1:64).

8



Inspect the floor. It should be dull and clean. To be sure the floor is free of dust and residue, wipe your hand across the floor in random areas to insure a thorough inspection. If your hand has any residue on it, rinse the floor again where the residue was found. If large amounts are present, tack the floor again. Let the floor dry completely before applying finish.

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## APPLYING FINISH T-Bar Method

1



Tape all entrances around jams and thresholds. Put caution tape and signage indicating the gym is closed.

2



Shut down air handlers and fans if the air generated from the systems vents blows directly on to the floor surface. Keep air handlers and fans on if they do not blow directly on to the floor surface, as minimizing air flow directly on to the floor surface, while applying floor coatings is critical.

3



WAXIE Ultra Sport (#934660) does not require any mixing, as it is a single component coating. WAXIE Ultra Sport II (#934661) requires the mixing of the coating with the Part B additive. Shake vigorously after the Part B has been added to the coating and allow to rest for 15 minutes before using the mixed product. Pour finish into Omniflex Trolley Bucket or plastic watering can. Do this step near the start point so spills can be feathered into the floor.

4



Determine where you want to start and finish. Apply a small puddle of Ultra Sport on the floor at the start point. Place the T-Bar pad in the puddle to saturate. NOTE: WAXIE Ultra Sport 40 should be applied with a heavyweight T-Bar.

5



Apply a 3"-4" wide strip down the length of the wood floor to the opposite corner while pulling your applicator through the coating. Continue back and forth down the floor at a slow consistent pace, pouring beads of coating as needed.

6



Overlap the T-Bar applicator 4" - 6" with each pass, keeping the applicator at a 10° angle so coating runs off to the unfinished side of the floor in a 3"-4" bead. Do not allow a puddle to form in front of the applicator.

7



Move at a slow walk and be sure to pour down less coating on the floor as you approach the exit wall.

8



When turning at the walls, Move SLOWLY and CAUTIOUSLY.

## APPLYING FINISH

### T-Bar Method

9



**TECH TIP:** If sand screens are used during the floor preparation process, the floor could require more than one coat of finish to cover the abrasion marks. Each wood floor is unique, and the equipment being used during the floor prep process also plays an important role. Plan ahead, and be sure to have sufficient product on-hand in the event an additional coat is required.

If a second coat is required, allow sufficient dry time between coats before applying additional finish to the floor. Under normal conditions, dry times can vary from 1-2 hours depending on humidity and room ventilation conditions. When in doubt, test the floor using a piece of copy paper on multiple areas of the floor. Place the paper on the test area and then place your hand on the paper and twist it gently. If the paper moves without any resistance, the floor is ready to be recoated. If it does not, the floor needs to dry further before recoating can begin.

10



After application of the first coat has been completed and you intend to apply additional coats, thoroughly wash the T-Bar applicator pad out with water, then wrap the T-Bar w/applicator pad in a plastic bag and seal tightly.

11



If the air handlers and fans were turned off, once the finish has “skinned over” and started to dry they should be turned back on. This will assist in the drying and curing process. Leave the HVAC system on for at least 24 hours after the final coat has been applied for proper ventilation.

12



Once the final coat is applied, discard any remaining coating. Or, if you intend to use the remaining product soon, you can pour the unused coating back into its original container (Ultra Sport single component product only).

13



Remove the applicator from the T-Bar and dispose of the applicator pad properly after application has been completed.

## MAINTENANCE

Daily & Weekly

1



Be sure adequate walkoff mats exist at each entrance and that they are vacuumed daily.

2



Remove tape, labels and gum with a razor scraper or putty knife. Angle the blade so you don't damage the coating. Sticker and label residue can be removed with a waterless cleaner or WAXIE Citrus Solvent Degreaser (#410034).

3



Dust mop entire floor area using a clean untreated dust mop or a microfiber dust mop.

4a



Damp mop or autoscrub the floor weekly using WAXIE Ultra Clean (#320895) diluted at 2 ounces per gallon of water (1:64). During severe weather months, more frequent cleaning may be necessary. Avoid saturating the floor with cleaner solution.

4b



Tack-rag the floor using a clean towel or WAXIE Fast Glide microfiber pad soaked in WAXIE Ultra Clean (#320895) mixed 2 ounces per gallon of water (1:64). Wring out towel or microfiber pad well before using.

The use of cleaning components other than WAXIE Ultra Clean Wood Floor Cleaner (#320895) is not recommended on wood floor surfaces as it can negatively affect the floor coatings performance and longevity.

## Facility Supply Solutions

WAXIE has Inventory Centers strategically located throughout the Western United States to serve you. WAXIE is also a member-owner of NETWORK® a streamlined and collaborative collection of the best independent distributors in the world providing an efficient and integrated approach to servicing large account portfolios.

Please contact your WAXIE Account Consultant today to schedule a consultation.



**The Most Trusted Name In Clean. Since 1945.**

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