



POLYDEFENDER™ WOOD FLOOR FINISH

POLYDEFENDER™ WOOD FLOOR FINISH is a high solids, superior oil-modified polyurethane finish designed to provide unsurpassed durability, gloss, and chemical resistance for high traffic sport floors. POLYDEFENDER™ WOOD FLOOR FINISH utilizes "AAET" (Advantage Adhesion-Enhancement Technology), which minimizes questionable intercoat abrasion and/or problems with contamination. The unique formulation has exceptional gloss and outstanding application properties. POLYDEFENDER™ WOOD FLOOR FINISH may be used anywhere in the United States except OTC regions and Southern California. This product contains less than 450 grams per liter VOC (volatile organic compound).

CHARACTERISTICS:

High-solids, premium oil-modified polyurethane coating, Exceptional high gloss that provides outstanding appearance, Excellent chemical resistance, Superior leveling, May be used anywhere in the United States except OTC regions and Southern California.

Recommended for basketball, racquetball, volleyball, multi-purpose, stages, aerobics, and dance floors.

Leveling: Excellent

Solids: 50%

V.O.C.: <450 gm/L

Dry Time: 16-24 hour recoat

Cure Time: 50% after 24 hours; 90% after 72 hours; 100% after 2 weeks

Coverage Rate: 500 square feet per gallon

Application Tools: Heavy weight T-bar with lambswool or synthetic applicator

Sheen (60-degree): 90+

Packaging: 5 gallon pails

DIRECTIONS FOR USE:

USE DIRECTLY FROM CONTAINER - DO NOT DILUTE

CLOSE OR SEAL OFF ALL WINDOWS AND DOORS. TURN OFF AIR HANDLERS DURING THE APPLICATION PROCESS AND LEAVE EXHAUST RUNNING (NO AIR SHOULD BE BLOWING ON THE FLOOR SURFACE DURING APPLICATION). AIR HANDLERS SHOULD BE TURNED BACK ON AFTER APPLYING FINISH.

POLYDEFENDER™ WOOD FLOOR FINISH WILL ADHERE TO MOST SURFACES IF DRY AND PREPARED PROPERLY. BE SURE TO ALWAYS PREPARE A TEST AREA TO ENSURE COMPATIBILITY.

ABRADING USING DEFENDER™ BLUE PADS OR SCREENS: WHEN ABRADING IS REQUIRED BE SURE TO ROTATE DEFENDER™ BLUE PADS OR SCREENS AT A RATE OF 500 SQUARE FEET - 250 SQUARE FEET EACH SIDE.

DIRECTIONS FOR RECOATING FLOORS:

STEP 1 - SCRUB FLOOR USING COURTS CRUBB™ DEEP CLEAN & RECOAT PREP SOLUTION. Begin by removing all dirt, grit, and dust from the entire court surface by tack and vacuum. Apply COURTS CRUBB™ DEEP CLEAN AND RECOAT PREPARE SOLUTION in 2' x 50' sections with a mop (do not flood the floor) and scrub using a heavy duty floor machine (175 rpm) equipped with DEFENDER™ BLUE PADS. This step can also be completed using an autoscrubber if desired. Remove the residue by tack and/or squeegee vacuum immediately after each section is scrubbed. Continue across entire surface of court floor and overlap each section to ensure the entire surface has been deep cleaned properly.

STEP 2 - DRY ABRAD THE ENTIRE FLOOR WITH DEFENDER™ BLUE PADS OR 150 GRIT SCREENS. Using a heavy duty floor machine (175 rpm) abrade the entire court floor dry using DEFENDER™ BLUE PADS or 150 grit screens. Each pad/screen will effectively abrade 500 square feet, 250 square feet per side. Be sure to space the pads/screens out systematically and flip them as required for proper abrasion to ensure adhesion of new coatings.

STEP 3 - TACK AND VACUUM FLOOR. Vacuum and tack the floor using towels dampened with mineral spirits. After all debris and dust is removed from the floor prepare final tack using a towel or microfiber pad dampened with COURTSCRUBB™ DEEP CLEAN AND RECOAT PREPARE SOLUTION. Allow the floor to dry for one hour and then apply POLYDEFENDER™ WOOD FLOOR FINISH using a heavy weight t-bar with synthetic or lambswool pad. For best results apply coatings within 2 hours of final tack using COURTSCRUBB™ DEEP CLEAN AND RECOAT PREPARE SOLUTION.

FINISHING: Be sure the floor surface is free from wax or oily residue. **STIR WELL BEFORE USING.** Pour a 4-6" wide line of finish along the starting wall with the grain of the wood. Use a clean pre-dampened with mineral spirits synthetic or lambswool applicator and pull the applicator forward with the grain of the wood holding the applicator at a "snowplow" angle moving the puddle towards the opposite wall. Replenish the puddle maintaining a wet edge. After each turn, pad out applicator and feather out all turns. To prevent lapping and dry marks use the recommended coverage rate (500 sq./ft./gallon). Allow finish to dry 12-18 hours. If a second coat is applied be sure to abrade the entire floor using DEFENDER™ BLUE PADS at a rate of 500 square feet per pad. Vacuum and tack floor until dust free and apply the final coat in the same manner as the first coat of finish. High humidity and/or low temperatures will extend drying times. Allow the final coat to dry at least 72 hours before use.

DIRECTIONS FOR NEWLY SANDED WOOD FLOORS:

THE POLYDEFENDER™ SYSTEM IS A FOUR COAT SYSTEM. Apply 2 COATS OF POLYDEFENDER™ PENETRATING SEAL FOLLOWED BY 2 COATS OF POLYDEFENDER™ WOOD FLOOR FINISH. POLYDEFENDER™ FAST DRY SEAL may be substituted for POLYDEFENDER™ PENETRATING SEAL for quicker dry times (see product instructions). Sand and prepare floors according to MFMA accepted methods. Final sanding should be completed with 100 grit and then the entire floor should be screened using a heavy duty floor machine (175 rpm) equipped with 100-120 grit screens. Vacuum and tack floor with mineral spirits until dust free and clean. **DO NOT TACK BARE WOOD WITH WATER.** Apply two coats of POLYDEFENDER™ PENETRATING SEAL. Seal should be applied using a heavy weight t-bar with synthetic or lambswool pad. **YOU MUST ABRABE BETWEEN ALL SEAL AND FINISH COATS** using a heavy duty floor machine equipped with DEFENDER™ BLUE PADS. After the first seal coat has dried for 12-18 hours apply 2nd seal coat. Allow second seal coat to dry 12-18 hours and apply two final coats of finish using POLYDEFENDER™ WOOD FLOOR FINISH.

GAME LINES: If game lines are required paint them after the second seal coat. The second seal must be dry and abraded using DEFENDER™ BLUE PADS. Before painting be sure the floor is vacuumed and tacked dust free. Paint game lines using GAMESLINER™ COURT FLOOR PAINT. Allow paint to dry 24 hours. Dry times can be extended with high humidity and/or low temperatures. For best results abrade the entire surface and newly painted game lines with DEFENDER™ BLUE PADS. Vacuum and tack entire floor until dust free and apply final coats of POLYDEFENDER™ WOOD FLOOR FINISH. **IF USING ANOTHER MANUFACTURER'S PAINT BE SURE TO TEST A SAMPLE AREA FOR COMPATIBILITY.**

NOTE: POLYDEFENDER™ WOOD FLOOR FINISH SHOULD NOT BE APPLIED OVER LAQUERS, SHELLACS, OR PRODUCTS CONTAINING STEARATES.

OIL MODIFIED FINISHES WILL HAVE AN AMBERING COLOR TONE THAT IS MOSTLY NOTICABLE OVER LIGHT-COLORED PAINTS.

DAILY CLEANING: After POLYDEFENDER™ WOOD FLOOR FINISH has cured for 14 days it's important to implement an effective cleaning routine. Dry mop the floor several times during the day to keep the dirt, dust, and grit off the court floor. At the end of each day the floor should be wet mopped using a solution of COURTCLEANZE™ COURT FLOOR CLEANER CONCENTRATE mixed 1 part per 10 parts of water. Wet mopping is very important because it removes the fluids, sweat, and penetrating soils that dry dusting leaves behind. COURTCLEANZE™ COURT FLOOR CLEANER CONCENTRATE can also be used in an autoscrubber equipped with white pads.

CURING: The curing process takes approximately 14 days. Do not replace rugs or mats until the floor is fully cured. The floor may be walked on after 24 hours, but the floor is susceptible to scuffing or marring prior to completion of curing time. Do not clean with water or detergent during the first week.

SHELF LIFE: Minimum of one year in an unopened container.

CLEAN UP: All tools should be cleaned with mineral spirits.

DANGER! Contains Petroleum Distillates. **DO NOT TAKE INTERNALLY!** Harmful if inhaled. Do not breathe vapors or mist. Use with adequate ventilation. Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved). May cause dizziness, headache, or nausea. May cause eye, skin, nose, or throat irritation. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Keep away from heat, sparks, and flames. Do not store above 100 degrees F. Keep out of reach of children!

OSHA CLASS II (combustible liquid) flash point = 110 degrees F

DANGER: Rags, steel wool, or waste soaked with POLYDEFENDER™ WOOD FLOOR FINISH may spontaneously catch fire if improperly discarded. Immediately after use place rags, steel wool or waste into sealed water filled metal container.

NOTE: There are no express or implied warranties, including warranties of merchantability or fitness for a particular purpose. Buyer's remedies are limited to replacement or refund of purchase price. Manufacturer assumes no liability for injuries, incidental or consequential damages. User shall determine suitability or product for intended use.

BEFORE USING READ ALL DIRECTIONS AND MATERIAL SAFETY DATA SHEETS FOR THIS PRODUCT.

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