



## **AQUADEFENDER™ PENETRATING SEAL**

AQUADEFENDER™ PENETRATING SEAL is designed to seal and minimize grain raise, while providing a level, high-build base. The exceptional gloss and clarity of this formula enhances the depth of AQUADEFENDER™ WOOD FLOOR FINISH. For added gloss and adhesion AQUADEFENDER™ PENETRATING SEAL may be cross-linked using CROSSLINX'R™. AQUADEFENDER™ PENETRATING SEAL meets or exceeds all state and federal clean air quality standards. This product contains less than 200 grams per liter VOC (volatile organic compound).

### **CHARACTERISTICS:**

High build, Fast drying, Easy to apply, Non-yellowing, Non-offending odor, V.O.C. compliant (<200 gm/L), Water cleanup.

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

Coverage: 500 square feet per gallon

Open Time: Excellent; ideal for large gym floors

Dry Time: 2-3 hours; crosslinked product has an 8-hour potlife

Cure Time: 80% after 24 hours; 100% after 1 week

Leveling: Excellent, with great open time and flow

Application Tools: T-bar applicator

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 2 HOURS AFTER APPLICATION.

AQUADEFENDER™ PENETRATING SEAL IS COMPATIBLE WITH MOST WATERBORNE WOOD FLOOR FINISHES IF DRY AND PREPARED PROPERLY. BE SURE TO ALWAYS PREPARE A TEST AREA TO ENSURE COMPATIBILITY.

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

DIRECTIONS FOR NEWLY SANDED WOOD FLOORS:

THE AQUADEFENDER™ SYSTEM IS A FOUR COAT SYSTEM. Apply 1 COAT OF AQUADEFENDER™ PENETRATING SEAL FOLLOWED BY 3 COATS OF AQUADEFENDER™ WOOD FLOOR FINISH. 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 120-150 grit screens to minimize grain raise. Vacuum and tack floor until dust free and clean. DO NOT TACK BARE WOOD WITH WATER. Apply one coat of AQUADEFENDER™ PENETRATING SEAL. Seal should be applied using a light weight t-bar and synthetic pad. After the first seal coat has dried for 2-3 hours apply 3 coats of AQUADEFENDER™ WOOD FLOOR FINISH (See product instructions). Abrasion between seal and all finish coats is not necessary for adhesion unless it has been more than 48 hours since the previous coat has been applied. USE A DIFFERENT APPLICATOR FOR SEAL AND FINISH COATS.

SEALING: Be sure the floor surface is free from wax or oily residue. SHAKE OR STIR WELL BEFORE USING. AQUADEFENDER™ PENETRATING SEAL can be used as a one component or cross-linked with CROSSLINX'R™ to enhance adhesion, durability, and chemical resistance. Add an equal part of water to CROSSLINX'R™. Mix well and add CROSSLINX'R™ to AQUADEFENDER™ PENETRATING SEAL. Stir both products together and then allow seal to equilibrate for 5-10 minutes. Pour a 4-6" wide line of seal along the starting wall with the grain of the wood. Use a clean pre-dampened synthetic 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 rates (400-500 sq./ft./gallon). Allow seal coat to dry 2-3 hours. No intercoat abrasion is needed if seal to finish coats are applied within 48 hours. If seal dries longer than 48 hours re-abrade using DEFENDER™ BLUE PADS at a rate of 500 square feet per pad. High humidity and/or low temperatures will extend drying times.

FINISHING: Use AQUADEFENDER™ WOOD FLOOR FINISH (See product instructions).

GAME LINES: If game lines are required paint them after the first coat of AQUADEFENDER™ WOOD FLOOR FINISH has been applied using GAMELINER™ COURT FLOOR PAINT. Before game lines are painted be sure to abrade the entire floor surface using DEFENDER™ BLUE PADS. Vacuum and tack entire floor with water until dust free. 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 AQUADEFENDER™ WOOD FLOOR FINISH. IF USING ANOTHER MANUFACTURER'S PAINT BE SURE TO TEST A SAMPLE AREA FOR COMPATIBILITY.

POT LIFE: AQUADEFENDER™ PENETRATING SEAL CAN BE USED FOR UP TO 8 HOURS AFTER CROSSLINX'R™ HAS BEEN ADDED. AFTER 8 HOURS YOU CAN ADD NEW CROSSLINX'R™ TO AQUADEFENDER™ WOOD SEAL FOR UP TO 3 DAYS.

DAILY CLEANING: After AQUADEFENDER™ WOOD FLOOR FINISH has cured for 7 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.

GLOSS RESTORATION: AQUADEFENDER™ WOOD FLOOR FINISH can be high-speed burnished to restore gloss periodically during the year. Be sure to clean the floor thoroughly before burnishing using an autoscrubber equipped with white pads and a solution of COURTCLEANZE™ COURT FLOOR CLEANER CONCENTRATE. If you do not have an autoscrubber vacuum and tack the floor using a solution of COURTCLEANZE™ COURT FLOOR CLEANER CONCENTRATE.

CURING: The curing process takes approximately 7 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.

FOR COMMERCIAL AND INDUSTRIAL USE ONLY

CAUTION: Do not breathe vapors or spray mist. Use adequate ventilation. Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling. Keep containers closed when not in use. Do not store above 100 degrees F.

FIRST AID: In case of eye contact, flush immediately with water and get medical attention; for skin wash thoroughly with soap and water. If affected by inhalation, remove to fresh air. If swallowed drink 1-2 glasses of water to dilute. Do not induce vomiting. Get medical attention.

CLEAN UP: All tools should be cleaned with water.

NOTE: There are no express or implied warranties, including warranties of merchantability or fitness for a particular purpose. Buyers 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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