



# TimberGuard™ SPORT

Water Based Urethane Wood Floor Coating

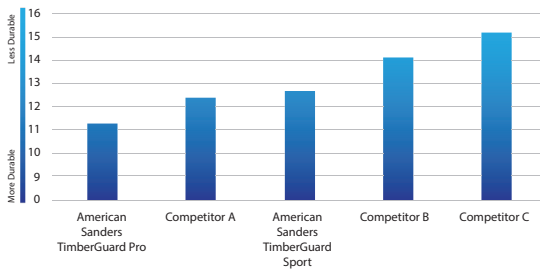


**TimberGuard Sport** is a two component, water based urethane wood floor coating specially formulated for sports floors. The aziridine cross linked formulation provides the strength and durability needed to withstand constant use, while providing the extended pot life for cost effective application. MFMA Compliant.

- The aziridine cross linked formulation provides for industry leading durability.
- 24 hour pot life.
- Colorless to ensure the natural wood or stain color appears as intended.
- Low VOC formula.
- High gloss sheen exceeds 85 at 60° specular gloss.
- Quick dry time – normally 2-3 hours.
- Water soluble which allows for easy clean-up.
- Can be applied with a T-bar, Roller (1/4 inch nap), or Cut-in Pad.

## TEST RESULTS

Taber Abrasion Test (Total mg Lost)



This Taber Abrasion Test utilized rubber abrading wheels to measure the durability of each coating. This blind test, performed by an independent lab, used 500mg CS-10 wheels for 1000 cycles. Low product loss equates to high product durability.

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## SURFACES



WOOD FLOORS

## TECHNICAL DATA

<b>Description</b>	Water based polyurethane coating
<b>Appearance</b>	Milky white liquid
<b>Available Sheens</b>	High Gloss
<b>Hardener</b>	Aziridine
<b>pH</b> <small>ASTM E70-07</small>	7.6
<b>Specular Gloss (60°)</b> <small>ASTM D1455-87 (2008)</small>	High Gloss: >85
<b>Viscosity (Brookfield)</b>	<60 centipoise
<b>Coverage Rate</b>	500-600 ft <sup>2</sup> /gal
<b>Dry Time</b>	2-3 hours for first coat
<b>VOC</b> <small>40 CFR Part 59 Subpart D</small>	<250 g/L
<b>Non-volatile solids</b> <small>ASTM D2834-95 (2008)</small>	30%
<b>Franchise</b>	Characteristic
<b>Slip Resistance</b> <small>ULTM410</small>	UL Certification Pending
<b>Shelf Life</b> <small>ASTM D1791-93 (2008)</small>	1 year
<b>Density</b> <small>ASTM D1475-13 (2008)</small>	8.5 lb/gal
<b>Detergent Resistance</b> <small>ASTM D3207-92 (2008)</small>	Excellent
<b>Freeze/Thaw</b> <small>ASTM D3209-93 (2008)</small>	Passes 3 cycles
<b>Container</b>	5 gal (19 liters) pail (Finish) 12.8 oz (379 ml) bottle (Hardener)



## DIRECTIONS\*

Read all directions and Safety Data Sheets (SDS) before using.

### Compatibility:

TimberGuard Sport is compatible with most stains, sealers, game paint, and finishes when used with proper preparation and dry times. However, since stain, sealer, paint and finish results may vary depending on the manufacturer and wood species, it is highly recommended that the product be tested on a sample board or in an inconspicuous location to verify that the desired results are achieved.

### Sanding And Finishing New Floors:

1. Sand and prepare floor in accordance with accepted industry association standards.
2. Make your final cut with 100-120-grit screen.
3. Vacuum thoroughly.
4. Tack with a dry microfiber mop or cloth to remove dust.
5. Apply 2 coats of TimberSeal and 2 coats of TimberGuard Sport. Use a clean applicator for sealer and a separate clean applicator for the finish.

### Recommended Applicators:

T-bar, Roller (1/4 inch nap), or Cut-In pad.

### Mixing Instructions:

TimberGuard Sport is a two component product which must be mixed to achieve proper performance. Do not thin. Do not add water.

1. Shake or stir well for 30-45 seconds.
2. Pour the hardener directly into the TimberGuard Sport container. One 15 oz. bottle of hardener will activate 5 gallons of finish. To mix in amounts other than 5 gallons, use a 1:43 ratio.
3. Immediately shake or stir mixture vigorously for 45 seconds.
4. Let sit for 10 minutes before applying. TimberGuard Sport should be used within 24 hours of adding the hardener. After 24 hours, the product can be recatalyzed one time. Note: For best performance, recatalyzed product should only be used as a base or intermediate coat.

### Finishing:

1. Pour a 4" wide line of finish along the starting wall, making sure to go with the grain of the wood.
2. Using a clean, pre-dampened applicator, pull the finish forward, with the grain of the wood. Use a snowplow angle to maintain a wet edge at all times.
3. At the end of each run, turn the applicator toward you and pad out the applicator parallel to the wet edge.
4. Feather out all turns. Take care to prevent drips from the applicator.
5. It is important to apply the finish at the recommended coverage rate of 500-

600 sq. ft. per gallon. Applying the finish too thin prevents it from flowing out evenly, resulting in an uneven sheen or streaking.

6. Allow the first coat to dry 2-3 hours. High humidity and/or low temperature conditions will extend the dry time (recommended conditions of 65-80° F (18°C-27°C) 40-60% relative humidity). Allow the final coat to dry at least 48 hours before use. The finish will be fully cured in 7 days.

### Recoating Procedures:

1. Use TimberClean to thoroughly clean the floor, making sure the floor is free from wax, polish, and oily residues.
2. Abrade the floor with 100-120 grit screens.
3. Vacuum thoroughly.
4. Tack the floor with a dry microfiber mop or cloth to remove dust.
5. Apply 1-2 coats of TimberGuard Sport.

### Pot Life:

Once the finish and hardener are mixed together, the product must be used within 24 hours. Product properties are diminished after 24 hours. The finish and hardener can be recatalyzed one time. Note: For best performance, recatalyzed product should only be used as a base or intermediate coat.

### Intercoat Abrasion:

It is not necessary to abrade between TimberSeal and TimberGuard Sport unless more than 48 hours has passed since the previous coat was applied. Between finish coats, you must abrade if more than 24 hours has elapsed since the last coat was applied. For smoothest results, abrade between all coats as necessary. Always vacuum and tack thoroughly with a slightly water-dampened microfiber mop or cloth after abrading.

### Game Lines:

For sports floors with game lines, always follow the sport paint manufacturer's instructions for application and coating of game lines. When working with game lines, always prepare a sample or test area to confirm compatibility, adhesion, and desired appearance.

### Curing:

The curing process takes approximately 7 days, (75% cured after 1 day, 90% after 3 days). Light foot traffic is allowed on the floor after 24 hours, but the floor remains susceptible to scuffing or marring until completely cured. Use only a dry microfiber mop or cloth for cleaning during the first week.

## MAINTENANCE

### Clean-Up:

Application tools should be cleaned with water and stored in an airtight container. Dispose of any unused product in accordance with local, state, and federal regulations.

### Floor Care:

Put walk-off mats at all entrance doorways to minimize dirt and grit. See TimberClean Floor Cleaner instructions for cleaning and maintenance information.

### Storage:

TimberGuard Sport is nonflammable but should be stored in a climate controlled environment. Keep from freezing. Do not store above 100° F (38° C).

## PRODUCT INFO

**Sheen** High Gloss

**Product Code** 710HGPL5

**Volume** 5 US gallons (19 liters)

**Shipping Package** 1 x 5 gallon pail (1 x 19 liters pail) (Finish)  
1 x 12.8 oz (1 x 379 ml) (Hardener)

**Pallet Quantity** 36

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### \*Limited Warranty/ Disclaimer and Limitation of Remedy

Amano Pioneer Eclipse Corporation (APEC) warrants this product for a period of one (1) year from the date of purchase to be free from manufacturing defects that result in the product failing under normal and proper use. The warranty applies only to product that is for the customer's own use (and not for resale) and that is new and unopened on the date of purchase directly from APEC or from APEC's authorized distributors. Customer is responsible for determining the suitability of the product for its intended use. The sole and exclusive remedy for product determined to be defective shall be replacement of that portion of the product that is determined to be defective. To the extent permitted by law, all other warranties, express or implied, with respect to the product are hereby disclaimed and excluded. APEC shall not be liable for any loss or damage, including incidental or consequential damage, arising from the use of the product. Any alteration of the terms of this paragraph must be in writing and signed by an authorized official of APEC.



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