

Bona Sport[®] Sport Poly

Technical data sheet

Bona Sport[®] Sport Poly is a premium quality, oil-modified polyurethane developed specifically for the wood sport floor market. Sport Poly provides an extremely tough, high build gloss finish with excellent chemical resistance, protecting against perspiration and routine cleaning. Bona Sport[®] Sport Poly meets the federal and most state clean air quality standards.

- High solids, oil-modified polyurethane
- Provides a tough protective coat
- Provides excellent chemical resistance
- Protects against perspiration and routine cleaning
- Light amber color enhances natural color of wood
- MFMA approved
- Easy to maintain
- Available in gloss
- Will adhere to most solvent-based and waterborne finishes after proper preparation, drying, and curing times



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Physical Characteristics:

Ingredients – Oil-modified polyurethane resin, mineral spirits (solvent), driers.

Color – Light amber

Solids – 50%

Viscosity – (#4 Ford cup @ 25° C) approx. 21-24 seconds

Density – 7.5 lbs./gallon (.90 S.G.)

US Regulatory VOC – 450 g/L

Gloss Level – (60°) - 90+

Odor – Mineral spirits

Stability – One year shelf life in unopened container

Flash Point - 110°F (40°C)

Packaging – 5-gallon pail

Application Characteristics:

Clarity – Clear when dry

Leveling – Good

Defoaming – Excellent

Drying Time – 12-16 hours

Application Tools – Brush, lambswool applicator

Coverage – 600 square feet per gallon

Percent Cured After 24 Hours – 50%

Maximum Cure – 2 weeks

Recommended Use

- Basketball courts
- Volleyball courts
- Racquetball, squash and badminton courts
- Multi-purpose gym, stage, aerobic and dance floors

Directions

BEFORE USING, READ ALL DIRECTIONS AND MATERIAL SAFETY DATA SHEET.

FOR TECHNICAL ADVICE: Call Bona US at 800-872-5515

COMPATIBILITY: Bona[®] Sport Poly is not recommended over shellac, lacquer sanding sealers, fillers or stains containing stearates. Oil modified finishes will have a slight ambering effect over light colored surfaces. Bona Sport Poly will adhere to most finishes after proper preparation and dry times. **ALWAYS PREPARE A SAMPLE OR TEST AREA TO DETERMINE COMPATIBILITY, APPEARANCE AND DESIRED RESULTS.**

SANDING AND FINISHING NEW FLOORS: **1.** Sand and prepare floor using MFMA-accepted methods. **2.** Make your final cut with 100-120-grit paper. Screen with 100-120-grit screen. **3.**

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Vacuum thoroughly. **4.** Tack with mineral spirits. **5.** Apply sealer and finish system (see finish directions).

THE BONA SPORT[®] SPORT POLY SYSTEM: Bona Sport Poly is a 4-coat system, 1-2 coats of a Bona oil-modified sport sealer, CourtLines paint (if desired) and 2-3 coats of Bona Sport Poly.

RECOMMENDED APPLICATORS: Heavy weight T-bar, Lambs wool applicator.
NOTE: Use a clean applicator for sealer and a separate clean applicator for finish.

MIXING INSTRUCTIONS: Remove lid and stir thoroughly before using. DO NOT THIN.

FINISHING: **1.** Apply Bona Sport Poly with a heavy weight T-bar applicator. Go with the grain of the wood applying a thin, uniform coat. **2. BE SURE YOU ARE USING THE RECOMMENDED COVERAGE OF 600 SQ FT PER GALLON.** **3.** Avoid leaving puddles of excessive amounts of finish on the floor. **4.** Allow first coat to dry thoroughly (approximately 12-16 hours). High humidity and/or low temperature conditions will extend dry time while increased ventilation and airflow will reduce dry time (recommended conditions of 65-80°F (18°-27° C)/40-60% relative humidity). **5.** For proper adhesion, abrade between coats of finish. Allow final coat to dry a minimum of 72 hours before use.

INTERCOAT ABRASION FOR FLOORS WITH GAMELINES: See sealer instructions for proper sequence of sealer, gamelines and finish coats. Before applying gamelines, abrade with 120-grit screens and vacuum and tack thoroughly. Note: If paint will not be applied for 24 hours or longer, floor must be re-abraded to ensure proper adhesion. Apply gamelines using Bona CourtLines[®] sport floor paint. **IF USING ANOTHER MANUFACTURER'S PAINT, BEFORE APPLYING GAMELINES, ALWAYS PREPARE A SAMPLE OR TEST AREA TO DETERMINE COMPATIBILITY AND ADHESION.** After applying gamelines using CourtLines[®] paint, once per day, abrade entire floor with Bona[®] Conditioning Pads or used 120 or 150 grit screens. Always vacuum and tack thoroughly after abrading. Apply finish coat within 24 hours.

INTERCOAT ABRASION FOR FLOORS WITHOUT GAMELINES: Abrade between all sealer and finish coats using Bona Conditioning Pads or 120 to 150 grit screens to ensure adhesion. Always vacuum and tack thoroughly after abrading.

RECOATING: Be sure floor is free from wax, polish and oily residues. Follow the Bona Prep[®] system, applying 1-2 coats of Bona Sport Poly. Delamination can occur if the Bona Prep process is not followed; always test for compatibility.

DANGER: RAGS, STEEL WOOL OR WASTE SOAKED WITH BONA SPORT POLY MAY SPONTANEOUSLY CATCH FIRE IF IMPROPERLY DISCARDED. IMMEDIATELY AFTER EACH USE, PLACE RAGS, STEEL WOOL OR WASTE IN A SEALED, WATER-FILLED METAL CONTAINER.

Maintenance

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

CLEAN-UP: Clean application tools and equipment with mineral spirits.

MAINTENANCE: Put walk-off mats at all entrance doorways to keep out excessive dirt and grit. See Bona[®] Professional Series Sport and Commercial Cleaner Concentrate instructions for cleaning and maintenance information.

STORAGE AND DISPOSAL: Store at room temperature. Keep container closed when not in use. Do not store above 100° F (38° C). Do not transfer contents to other containers for storage and disposal. In case of spillage, absorb with inert material. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

Order Information

Item#	Size	#/Case
ST750055111	5 Gallon	1