



# Bona Sport<sup>®</sup> Poly 350

## Technical Data Sheet

Bona Sport<sup>®</sup> Poly 350 is a premium quality, oil-modified polyurethane developed specifically for the wood sport floor market. Bona Sport Poly 350 is low VOC and provides an extremely tough, high build gloss finish with excellent chemical resistance, protecting against perspiration and routine cleaning. Bona Sport Poly 350 is specially formulated to meet all federal and 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

### Technical data

#### **Physical Characteristics:**

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

**Color** – Amber

**Solids** – 52-55%

**Viscosity** – (#4 Ford cup @ 25° C) approx. 22-26 seconds

**Density** – 7.6 lbs./gallon (.91 S.G.)

**US Regulatory VOC** – 350 g/L

**Gloss Level (60°)** – 90+

**Odor** – Mineral spirits

**Stability** – Two-year shelf life in unopened container

**Flash Point** - 104°F (40°C)

**Packaging** – 5-gallon pail

#### **Application Characteristics:**

**Clarity** – Clear when dry

**Leveling** – Good

**Defoaming** – Excellent

**Drying Time** – 18-24 hours (based on recommended coverage rate, under ideal conditions)

**Application Tools** – Brush, lambswool applicator, heavyweight t-bar and Bona Floor Coater Sleeve

**Coverage** – 600-650 square feet per gallon

**Percent Cured After 24 Hours** – 50%

**Maximum Cure** – 2 weeks

### Recommended Use

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

### Directions

**BEFORE USING, READ ALL DIRECTIONS AND SAFETY DATA SHEETS. KEEP OUT OF REACH OF CHILDREN.**

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

**COMPATIBILITY:** Bona Sport Poly 350 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 350 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 PREPARATION OF NEW FLOORS:** 1. Sand and prepare floor using MFMA-accepted methods. 2. Make your final cut with 100-120-grit paper. Screen with 100-grit or 120-grit screen or use a Bona Multidisc and 80-grit or 120-grit Bona Diamond abrasives. 3. Vacuum thoroughly. 4. Tack thoroughly with mineral spirits, a slightly damp Bona SuperCourt<sup>®</sup> Microfiber Wet Tacking Pad, or a dry Bona SuperCourt Microfiber Tacking Pad. 5. Apply sealer and finish system (see finish directions).

## Finishing



# Bona<sup>®</sup>



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### Finishing



**The BONA SPORT POLY 350 FINISH SYSTEM:** Bona Sport Poly 350 is a 3-coat system: 1 coat of a Bona Sport® Sealer (follow sealer directions), Bona CourtLines® paint or Bona SuperSport Paint®, and 2 coats of Bona Sport Poly 350.

**RECOMMENDED APPLICATORS:** Brush, lambswool applicator, heavyweight t-bar and Bona Floor Coater Sleeve.

**NOTE:** Use a clean applicator for the sealer and a separate clean applicator for finish.

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

**FINISHING:** 1. Pour a 4"-6" wide line of finish along the starting wall. Go with the grain of the wood, applying a thin, uniform coat. 2. Using a Bona Floor Coater Sleeve on a heavyweight t-bar, draw the applicator forward, with the grain of the wood, moving the finish toward the opposite wall. Hold the applicator at a "snowplow" angle. 3. Avoid leaving puddles or excessive amounts of finish on the floor. 5. BE SURE YOU ARE USING THE RECOMMENDED COVERAGE OF 600-650 SQUARE FEET PER GALLON. 5. Allow first coat to dry thoroughly (approximately 18-24 hours). High humidity and/or low temperature conditions will extend the dry time (recommended conditions of 65-80°F/40-60% relative humidity). 6. For proper adhesion, abrade between all coats of finish. 7. Allow final coat to dry at least 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 using 180 or 240-grit Bona Diamond abrasives mounted on 1-2 Bona Conditioning Pads. Vacuum and tack thoroughly. Note: If paint will not be applied within 24 hours, the floor must be re-abraded to ensure proper adhesion. Apply gamelines using Bona CourtLines paint or Bona SuperSport Paint according to label instructions. If using another manufacturer's paint, before applying gamelines, always prepare a sample or test area to determine compatibility and adhesion. Always abrade properly dried Bona CourtLines paint or Bona SuperSport Paint using double-stacked Bona Conditioning Pads. Always vacuum and tack thoroughly after abrading. Apply finish coat within 24 hours.

**INTERCOAT ABRASION FOR FLOORS WITHOUT GAMELINES:** Abrade between all oil-modified sealer and finish coats using 180 or 240-grit Bona Diamond abrasives mounted on 1-2 Bona Conditioning Pads. As an alternative when abrading between coats of finish, use a Bona Multidisc with 180 or 240-grit Bona Diamond abrasives. Always vacuum and tack thoroughly after abrading. Apply finish coat within 24 hours.

**CURING:** The curing process takes approximately 14 days. The floor may be walked on after 24 hours, but remains susceptible to scuffing or marring until completely cured. Do not replace athletic mats or area rugs until the floor has fully cured. No wet cleaning during the first week, only dry dust with a Bona SuperCourt Microfiber Dusting Pad. (Do not use dry dust mop treatment chemicals on wooden floors.)

**RECOATING:** Be sure floor is free from wax, polish and oily residues. Always test for compatibility. Follow the Bona Prep™ system, and apply 1-2 coats of Bona Sport Poly 350. A second option is to use an auto scrubber and Bona SuperCourt Microfiber Scrubbing Pads, and Bona SuperCourt Cleaner to clean the floor. Abrade the floor with a Bona Multidisc and 180-grit Bona Diamond abrasives. Dry tack with a Bona SuperCourt Microfiber Dusting Pad. Clean floor with the auto scrubber. Wet tack. Finish with 1-2 coats of Bona Sport Poly 350.

**DANGER:** RAGS, STEEL WOOL OR WASTE SOAKED WITH BONA ALL COURT 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

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

**STORAGE:** 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.

**MAINTENANCE:** Place walk-off mats at all entrance doorways to keep out excessive dirt and grit. For best results, see Bona SuperCourt® Athletic Floor Care System products for optimal wood floor care.

### Order Information

Item #	Size	No./Case
ST750055155	5 Gallons	1

