



Bona Sport® Poly

Oil-modified Wood Sport Floor Finish

Oil-modified, polyurethane gloss finish specifically developed for the wood sport floor market



Bona Sport® Poly is a premium quality, oil-modified polyurethane developed specifically for the wooden sports floor market. Bona Sport Poly provides a tough, high build gloss finish with excellent chemical resistance, protecting against perspiration and routine cleaning. It is suitable for use on basketball courts, multi-purpose gym floors, aerobic, dance and yoga floors, volleyball and badminton courts.

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

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This data sheet replaces all previous versions; please check bona.com.au to ensure that you have the latest version



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TECHNICAL DATA

Product type:	Oil-modified solvent based polyurethane finish for sports floors
Solids content:	50%
VOC content:	<450 g/L
Flash Point:	40° C
Sheen (at 60°):	Gloss – 90+ %
Drying time:	1 st application – approx. 8 – 12 hours 2 nd application – approx. 12 – 16 hours (Under normal climatic conditions, 18 - 26° C / 40 - 60% R.H. Low temperatures / high humidity will slow the drying / curing of the finish applications.)
Curing time:	Approx. 50% after 24 hours – light foot traffic allowed After 72 hours the floor may be used. Maximum curing time – 14 days (Assumes normal climatic conditions, 18 - 26° C / 40 - 60% R.H., are maintained at all times)
Application tools:	Heavyweight bar applicator, brush, lambswool pad
Application rate:	14.75 m ² / Lt per coat (N.B Do not thin the product.)
Safety:	Classified (See Safety Data Sheet for additional information) Eye contact - flush immediately with water. Get medical attention if irritation occurs. Skin contact - wash thoroughly with soap and water. Inhalation - remove to fresh air. Ingestion - drink 1 or 2 glasses of water to dilute. Do not induce vomiting. Seek medical attention if symptoms persist. N.B. Rags / waste contaminated with Bona Sport Ply may spontaneously ignite. Place rags or other waste into a sealed, water filled metal container.
Cleaning:	Clean tools and equipment with White Spirit or mineral spirits immediately after use Dispose of rags / cleaning materials safely.
Shelf life:	2 years from date of production in unopened original container
Pack size	19 L pail
Storage/Transport:	Store in a cool well-ventilated place. Keep container closed when not in use. Do not store above 38° C. Do not transfer contents to other containers for storage and disposal.
Disposal:	In case of spillage, absorb with inert material. Waste and emptied containers should be handled in accordance with local regulations.

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PREPARATION

Ensure the floor is acclimatised to its end-use environment, well sanded, dry, and free from sanding dust, oil, wax and other contamination. The final sanding of the surface should be completed using a 100 - 120 grit abrasive. After cleaning the surface should be thoroughly cleaned using a pad dampened with White Spirit or mineral spirits or dry tacked to remove all dust from the surface. Allow to dry prior to the application of Bona Sports System.

Preparation of previously coated floors

Bona Sport® Poly can be used to coat previously finished floors. The floor should be free from oil, wax, polish and other contamination. Prior to abrading the floor, it should be cleaned using Bona SuperSport Deep Clean and an auto scrubber – as detailed in the Bona SuperSport Deep Clean data sheet. The floor should then be abraded using a 150 - 180 grit abrasive. After dry tacking to remove dust, a final cleaning should be made with an auto scrubber and clean water.

Once the preparation is completed and the floor has dried 1 – 2 coats of Bona Sport Poly can be made. If line marking / repairs are to be carried out this should be completed before the application of the finish. Newly installed lines should be allowed to dry thoroughly and be lightly abraded prior to them being overcoated. Please consult the Bona SuperSport Line marking Paint datasheet for further information. If using paints from other suppliers, it is recommended that trials are conducted to ensure compatibility with Bona Sport Poly and Bona Sport Seal.

Prior to any overcoating of an existing surface a trial application of Bona Sport Poly **must** be carried out to ensure that satisfactory adhesion can be achieved. Bona Sport Poly will adhere to most finishes after proper preparation but is not recommended for use over shellac, lacquer sanding sealers, fillers or stains containing stearates. Consideration should also be made to check the adhesion of any paint system used directly onto previously coated surfaces. Please note, oil-modified finishes have a slight ambering effect when used over light-coloured surfaces or paint.

TREATMENT SCHEDULES

Untreated wood floors:

2 x Bona Sport® Seal

1 – 2 x Bona SuperSport Paint®

2 x Bona Sport® Poly

Previously finished floors:

1 – 2 x Bona SuperSport Paint® (if needed)

2 x Bona Sport® Poly

Note:

Plasticisers from rubber-based adhesives on some line marking tapes can soften and damage polyurethane finishes. Any tapes used should be “low tack” and be in place for as short a time as possible.

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APPLICATION

Prior to application stir Bona Sport Poly thoroughly. Mechanical mixing of the product is preferred but care must be taken not to overly aerate the material. Do not thin the product with solvents. If necessary, restir the product periodically during use.

Use a clean applicator for Bona Sport Poly – do not reuse an applicator previously used for primer applications.

- 1) Pour a line of finish along the starting wall, working along the length of the boards; approx. 100 – 150 mm wide.
- 2) Using a heavyweight bar at a 'snowplough' angle apply the finish evenly with a uniform application at the recommended coverage rate of 14.75 m² / Lt
- 3) Maintain a 'wet edge' and avoid leaving puddles or excessive amounts of finish on the floor.
- 4) Allow the first coat to dry thoroughly (approximately 8 - 12 hours). Note: High humidity and/or low temperature conditions will extend the dry time (ideal site conditions are 18 – 26° C / 40-60% relative humidity).
- 5) It is recommended to abrade between all coats of finish to ensure the best possible level of adhesion is achieved.
- 6) Allow the final coat to dry for at least 72 hours before use.

It is recommended that inter-coat abrasion is carried out between all oil-modified sealer and finish coats using 180 or 240 grit abrasives. Bona Diamond Abrasives are the preferred abrasive system. Always vacuum and tack thoroughly after abrading. Apply the following coat of sealer or finish within 24 hours after the completion of the abrasion process.

RECOATING

The floor should be overcoated periodically with additional coats of Bona Sport Poly to maintain a safe slip resistant high-performance surface and to prevent the floor from having to be sanded back to a raw surface

MAINTENANCE

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. The floor should not be put into use for 72 hours.

Do not replace athletic mats, etc. until the floor has fully cured. Do not wet clean the floor during the first week, only dry dust without using chemicals of any kind.

End user maintenance instructions are available for Bona Sport Poly at www.Bona.com.au

The information in this document and all other advice and recommendations that we provide to help and assist the applicator are based on previous experience and extensive testing but makes no claim to be complete. Because of the wide range of possible uses and conditions of application of our products, we do not relieve users from the need to carry out their own trials or to seek technical advice from Bona before use. Bona can only guarantee its products and not the construction as a whole. Observe recommendations from flooring manufacturer and the provisions of relevant standards.

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