



PRODUCT DATA SHEET
PROD. #163
RICH WOOD QUICK-DRY
SEMI-GLOSS POLYURETHANE FLOOR FINISH



PRODUCT DESCRIPTION

Rich Wood Quick-Dry Semi-Gloss Polyurethane Floor Finish is our finest polyurethane wood varnish specially formulated to enhance the natural beauty of interior timber and hardwood floors while providing maximum protection. Its special polyurethane formula provides a resilient hardwearing finish that provides excellent resistance to wear, abrasion, heavy foot traffic, chipping, flaking, spills, and light chemical cleanings. Its smooth semi-gloss finish resists yellowing, applies easily and provides excellent product versatility for application to a variety of other interior wood substrates, such as furniture, cabinets, and trim.

PRODUCT FEATURES	PRODUCT USES	PERFORMANCE QUALITIES	VOC COMPLIANCE
<ul style="list-style-type: none"> • Smooth Semi-Gloss Finish • Excellent Durability • Excellent Wear & Abrasion Resistance • Resists Flaking & Chipping • Resists Heavy Foot Traffic • Resists Chemical Cleaners • Applies Easily • Excellent Product Versatility 	<p><i>Suitable for the following properly prepared surfaces;</i></p> <p>INTERIOR Hardwood & Timber Floors, Wood Doors & Trim, Cabinets, Woodwork, Furniture, Wood Shelving & Countertops, Tabletops, Desks, Wood Paneling, Etc.</p> <p>EXTERIOR Exterior use is limited to exterior Wood Doors & Porch Ceilings. NOT FOR USE ON EXTERIOR WOOD SIDING OR TRIM!</p>	<p>Product Quality: Premium / Best</p> <p>Product Use: Interior</p> <p>Application: Brush, Roller Cover, Pad Applicator</p> <p>Product System: Solvent-Based</p> <p>Finish: Semi-Gloss</p>	<p>AIM No</p> <p>OTC No</p> <p>CARB No</p> <p>SCAQMD No</p> <p>MPI # No</p> <p>LEED® 09CI No</p> <p>LEED® 09NC No</p> <p>LEED® 09CS No</p> <p>LEED® H No</p>

SURFACE PREPARATION

General: The entire surface area should be clean, dry, sound and free from dirt, grease, oils, waxes, dust and any other surface contaminants that may adversely affect the performance of this coating material.

New Wood Surfaces: Thoroughly sand the surface area smooth, progressing in sand paper usage starting with rough grit sandpaper to medium grit sandpaper to fine grit sandpaper. Always sand in the same direction of the wood grain. Final screen the floor with 120 or 150 grit screen, or 180 to 220 grit sandpaper. After sanding and screening, vacuum the surface to remove all sanding dust. Final wipe the surface with a tack rag or a cloth dampened with mineral spirits, and allow to dry. All cracks, gouges, dents and other surface imperfections should be properly repaired with wood putty that does not contain any wax. Allow all repairs to dry thoroughly, then sand smooth. Wood surfaces that are to be stained should be allowed to dry thoroughly after staining.

Previously Stained & Varnish Wood Surfaces: Previously stained and varnished wood surface that are in good condition should be thoroughly cleaned as stated above. The entire surface should be lightly sanded to remove imperfections and to dull glossy finishes. Remove any loose, scaling, cracked or chipping areas of existing varnish by hand scraping, sanding, and wire brushing or by use of power tool cleaning methods, such as electric sanders, etc. Previously stained and varnished wood surfaces that are in poor condition should be completely stripped to the bare wood substrate and finish as new wood. Repair/replace all damaged, deteriorated, and surface imperfections with the proper patching compounds or building materials and allow to dry thoroughly. Organic growths, such as mildew, must be removed and infected surfaces should be treated with a suitable fungicidal solution.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how you can protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-Lead, or log onto www.epa.gov/lead.

PRODUCT ANALYSIS DATA

PIGMENT: 0.83%

VEHICLE: 99.17%

MORE DETAILED PRODUCT ANALYSIS DATA IS AVAILABLE UPON REQUEST.

TECHNICAL DATA

- **COLORS:** Clear
- **TINTING:** Not Recommended
- **VEHICLE TYPE:** Solvent Urethane
- **VISCOSITY:** 28 Sec. / #4 Zahn Cup
- **GLOSS @ 60°:** Semi-Gloss / 49 units ± 1
- **FLASH POINT:** 107° F
- **VOC:** Not To Exceed 550 g/l – 4.62 lb/gal
- **SOLIDS:** By Volume: 38.56% ± 2%
By Weight: 42.53% ± 2%
- **COVERAGE:** 300 – 500 Sq. Ft. / Gal.
(Depending on Application & Surface Porosity.)
- **MIL FILM:** Estimated @ 450 Sq. Ft. / Gal.
Wet: 3.6 mils **Dry:** 1.4 mils
- **DRY TIME:** (@ 70° F & 50% Relative Humidity)
To Touch: 3 – 4 Hours
Recoat: 5 - 6 Hours, or after overnight dry.
Full Cure: 7 Days
- **CLEAN UP:** Mineral Spirits
- **THINNING:** Not Recommended

RECOMMENDED PRIMER COATINGS

The following Richard's products are recommended primer coatings for this finish coating material. However, recommended Richard's primer coatings are not limited to the products listed below;

- **Bare Wood:** Rich Wood Varnish Sanding Sealer – (99)

APPLICATION EQUIPMENT

- **Brush Application:** Apply using quality polyester or a quality natural bristle brush.
- **Roller Application:** Apply using a short nap mohair roller cover, synthetic or lambs wool pad applicator, or a lightweight T-Bar.
- **Spray Application:**
 - **Pump:** Gas or Electric Airless Sprayer
 - **Pressure:** Minimum 1500 – 2000 PSI
 - **Tip:** 0.011 – 0.013 Reversible
 - **Hose:** ¼ inch (6.3 mm) - ½ inch (10 mm)

PACKAGING & WEIGHT PER GALLON

- **Packaging:**

Quarts – 6/case	Gallons – 4/case
2 Gallons – N/A	5 Gallons - Each
- **Weight per Gallon:** 7.33 lbs.

CLEAN UP & THINNING INSTRUCTIONS

Clean Up: Clean up any minor spills and splatters immediately with **Mineral Spirits**, as well as all painting tools and airless equipment. More serious spills should be contained and removed with inert absorbent material. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state and federal regulations.

Thinning: Stir thoroughly and apply as it comes from the container. Thinning is not necessary. However, if thinning is required, you may add **Mineral Spirits**.

WARRANTY & LIMITATIONS

The technical information contained herein is accurate to the best of our knowledge. All warranties are excluded, whether expressed or implied, by operation of law or otherwise, including all implied warranties of merchantability or fitness for a particular purpose. Seller shall not be liable, directly or indirectly, under any circumstances for consequential, incidental, special or any other type of damages arising or resulting for any reason under the sale, handling, or use of goods sold. Seller's liability hereunder, and buyer's exclusive remedy hereunder, for negligence or any other reason, is expressly limited to reimbursement of the purchase price of the materials sold after proof of purchase is provided to the seller. Notice of any alleged failure or defect in the material must be given to the seller in writing by certified U.S. mail within 15 days of noticing the problem. Failure to give the required notice within the time provided constitutes a waiver of any claim. The Manufacturer is not responsible for any misrepresentation made by the Dealer.

REV 06-13

PRODUCT APPLICATION – General

Rich Wood Quick-Dry Semi-Gloss Polyurethane Floor Finish may be easily applied with a natural bristle or polyester brush, short nap roller, synthetic or lambs wool pad applicator, or a lightweight T-bar as follows;

- Stir Satin and Semi-Gloss products thoroughly before and during application. Gloss product does require stirring. Do not shake container or bubbles will form in finish.
- For best results, it is recommended to apply a minimum of 2 – 3 finish coats, allowing to dry thoroughly between coats.
- When applying by brush, roller cover, or pad applicator, apply in full flowing coats, laying off in the direction of the wood grain, avoiding any excessive spreading or reworking, and ensuring all surfaces and end grains are fully coated.
- Apply thin, even coats maintaining a wet edge during application and avoiding lap marks.
- Under ideal conditions, allow 5 – 6 hours to dry before recoat. Overnight drying is recommended. *NOTE: Moisture related jobsite conditions, or heavy coat application of this finish will prolong dry times.*
- After each coat has dried, abrade the surface with 120 – 150 grit sanding screen or sandpaper. Vacuum and wipe clean, then apply next coat as stated above.
- Allow final coat to dry 24 hours before permitting light foot traffic or use of surface. Avoid heavy foot traffic or replacing of furniture for at least 72 hours after final coat. When replacing furniture – **Do Not Slide!**
- Do not install area rugs or clean floors for 7 days.

PRODUCT LIMITATIONS

- Not for use on exterior wood siding or trim.
- Not for use in corrosive or chemical environments.
- Not for use in areas subject to intense heat.
- Not for use on below grade substrates.

PRECAUTIONARY & SAFETY INFORMATION

CAUTIONS: COMBUSTIBLE! KEEP OUT OF REACH OF CHILDREN! Keep away from heat, sparks and open flames. **INSURE PROPER CROSS-VENTILATION UNTIL COATING HAS DRIED!** Where ventilation is inadequate, use a suitable respirator. Turn off main gas valve until after coating has dried, then have pilot lights re-lighted by a responsible person. Avoid prolonged contact with skin and breathing of vapors and/or spray mists. When spraying this material, use an **OSHA** approved cartridge respirator. Use chemical safety glasses, goggles, or a face shield for proper eye protection. Wash thoroughly after handling and before eating or smoking. Close container after each use. **DO NOT TAKE INTERNALLY!**

FIRST AID: In case of skin contact, wash thoroughly with plenty of warm soapy water. For eye contact, flush with plenty of water for 15 minutes and get medical attention immediately. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. If swallowed, do not induce vomiting, get medical attention immediately.

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents herein may be harmful or fatal.

KEEP OUT OF REACH OF CHILDREN!