



PRODUCT DATA SHEET

PROD. #1163
RICH WOOD 350
INTERIOR POLYURETHANE SEMI-GLOSS VARNISH



PRODUCT DESCRIPTION

Rich Wood 350 Interior Polyurethane Semi-Gloss Varnish is a specially formulated low VOC premium quality polyurethane varnish designed to provide maximum beauty and protection for a variety of interior wood surfaces. It's clear, semi-gloss finish is extremely durable, resists abrasions, flaking, and chipping. It is easy to apply, self-leveling, and ideal for use in areas where superior abrasion and mar resistance is needed. It meets the low VOC regulatory requirements in the AIM, OTC and LADCO states, and its superior wear and durability qualities are excellent for use on all types of interior wood substrates, including stairways, floors, and furniture, as well as for limited exterior use on doors and ceilings.

PRODUCT FEATURES	PRODUCT USES		PERFORMANCE QUALITIES	VOC COMPLIANCE	
- Rich Semi-Gloss Finish - Excellent Durability - Excellent Abrasion Resistance - Self-Leveling - Resists Flaking & Chipping - Excellent Product Versatility - Low VOC - Easy To Apply	<i>Suitable for the following properly prepared surfaces;</i> INTERIOR Wood Doors & Trim Hardwood Floors Paneling Railings Furniture Stairways Counter Tops Spindles Cabinets Shelving		Product Quality: Premium / Best Product Use: Interior Only Application: Brush, Roller Cover Airless Spray Product System: Solvent-Based Sheen: Semi-Gloss	AIM Yes OTC Yes LADCO Yes CARB No SCAQMD No MPI # No LEED® 09CI No LEED® 09NC No LEED® 09CS No LEED® H No	
	NOTE: Exterior Use Is Limited To Doors & Porch Ceilings. NOT FOR USE ON EXTERIOR WOOD TRIM OR SIDING!				

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. Finial screen or sand the surface with 120 or 150 grit sanding 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 or 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.

Mildew - Surface areas affected by mildew should be washed with a commercial mildew removal product carefully following manufacturer's application and safety directions. Rinse thoroughly with clean water, and allow a minimum of 24 hours to dry thoroughly.

- 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: 4.95%

VEHICLE: 95.05%

MORE DETAILED PRODUCT ANALYSIS DATA IS AVAILABLE UPON REQUEST.

TECHNICAL DATA

- COLORS:** Clear
- TINTING:** Not Recommended
- VEHICLE TYPE:** Alkyd / Urethane
- VISCOSITY:** 63 KU ± 2
- GLOSS @ 60E:** Gloss / 50 units ± 5
- FLASH POINT:** 106° F
- VOC:** Not to Exceed 350 g/l – 2.94 lb/gal
(Meets AIM, OTC & LADCO Standards)
- SOLIDS:** By Volume: 56.79% ± 2%
By Weight: 63.54% ± 2%
- COVERAGE:** 400 – 600 Sq. Ft. / Gal.
(Depending on Application & Surface Porosity.)
- MIL FILM:** Estimated @ 500 Sq. Ft. / Gal.
Wet: 3.2 mils **Dry:** 1.8 mils
- DRY TIME:** (@ 70° F & 50% Relative Humidity)
To Touch: 6 – 8 Hours
Recoat: 12 – 24 Hours
Full Cure: 5 – 7 Days
- CLEAN UP:** Mineral Spirits
- THINNING:** DO NOT THIN!

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;

- **New Wood:**
 - Self-Priming
- **Previously Varnished Surfaces:**
 - Self-Priming

APPLICATION EQUIPMENT

- **Brush Application:** Apply using quality combination nylon/polyester, or a quality natural china bristle brush.
- **Roller Application:** Apply using a 3/16" – 3/8" nap synthetic cover, mohair roller cover, or a pad applicator depending on texture or surface porosity.
- **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) - ¾ inch (10 mm)

PACKAGING & WEIGHT PER GALLON

- | | | |
|---------------------|-----------------|------------------|
| • Packaging: | Quarts – 6/case | Gallons – 4/case |
| | 2 Gallons – N/A | 5 Gallons - Each |

- **Weight per Gallon:** 7.91 lbs.

PRODUCT LIMITATIONS

- Not recommended for application over shellac, lacquers and sealers containing stearates, or wood fillers containing waxes or stearates.
- Not recommended for exterior use.
- Not for use in corrosive or chemical environments.
- Not for use in areas subject to intense heat.
- Not for use on below grade substrates.

CLEAN UP & THINNING INSTRUCTIONS

Clean Up: Clean up any minor spills and spatters 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. **DO NOT THIN!**

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 01-14

PRODUCT APPLICATION – General

Rich Wood 350 Polyurethane Semi-Gloss Varnish may be easily applied with a quality natural bristle brush, mohair roller cover, or airless spray equipment as follows;

- Stir thoroughly before and during application. Do not shake container or bubbles will form in finish.
- For best results, apply a minimum of two (2) thin finish coats.
- When applying with a brush or roller cover, apply a smooth and generous coat application in the direction of the wood grain, avoiding any excessive re-spreading or reworking.
- Apply thin, even coats maintaining a wet edge during application and avoiding lap marks.
- If applying with an airless sprayer, it is recommended to use a unit with a minimum of 2000 psi of pressure, with a 0.011 - 0.013 fluid spray tip.
- During spray application, the surface area should be back-rolled or brushed to insure proper adhesion and a smooth glass-like finish.
- Under ideal conditions, allow 12 – 24 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 180 grit sandpaper. Vacuum and wipe clean, then apply next coat as stated above.
- When applying to wood floors, allow final coat to dry 24 - 48 hours before permitting light foot traffic or use of surface. When replacing furniture – **Do Not Slide!**
- **Rich Wood 350 Polyurethane Gloss Varnish** is fully cured and mar-proof within 5 - 7 days, depending on conditions. Do not install area rugs or clean floors within that time period.
- Apply when surface & ambient temperatures are above 55°F.

PRECAUTIONARY & SAFETY INFORMATION

CAUTIONS: COMBUSTIBLE! 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!