



**PRODUCT DATA SHEET**  
**PROD. #63**  
**RICH WOOD**  
**POLYURETHANE SEMI-GLOSS VARNISH**



**PRODUCT DESCRIPTION**

Rich Wood Polyurethane Semi-Gloss Varnish has been formulated to provide the maximum beauty and protection for both interior and limited exterior woods. A unique blend of synthetic resins gives this product excellent durability and hardness. It resists flaking, chipping, salt water, light chemical cleaning and is alkali resistant. It is ideal for use in areas where abrasion resistance is needed, as well as staining resistance from the use of household chemicals. Its excellent qualities of wear and durability allow this product to be used in Hospitals, Schools, Hotels, Factories, Etc. **FOR INTERIOR & LIMITED EXTERIOR USE!**  
**SPECIAL NOTE: Exterior use is limited to doors and porch ceilings. NOT FOR USE ON EXTERIOR SIDING OR TRIM!**

PRODUCT FEATURES	PRODUCT USES	PERFORMANCE QUALITIES	VOC COMPLIANCE
<ul style="list-style-type: none"> <li>• Polyurethane Formula</li> <li>• Spreads Evenly</li> <li>• Excellent Hardness</li> <li>• Excellent Durability</li> <li>• Resists Abrasion</li> <li>• Excellent Wear Resistance</li> <li>• Resists Flaking &amp; Chipping</li> <li>• Excellent Product Versatility</li> <li>• Easy To Apply</li> </ul>	<p><i>Suitable for the following properly prepared surfaces;</i></p> <p><b>INTERIOR WOOD</b></p> <p>Doors                      Cabinets  Woodwork &amp; Trim        Floors  Paneling                    Railings  Furniture                   Arts &amp; Crafts</p> <p><b>LIMITED EXTERIOR</b></p> <p><b>Exterior use is limited to Doors &amp; Porch Ceilings! NOT FOR USE ON EXTERIOR WOOD TRIM OR SIDING!</b></p>	<p><b>Product Quality:</b> Premium</p> <p><b>Product Use:</b> Interior/Limited Exterior</p> <p><b>Application:</b> Brush, Roller Cover, Airless Spray</p> <p><b>Product System:</b> Solvent-Based</p> <p><b>Finish:</b> Semi-Gloss</p>	<p><b>AIM</b> Yes</p> <p><b>OTC</b> No</p> <p><b>CARB</b> No</p> <p><b>SCAQMD</b> No</p> <p><b>MPI #</b> No</p> <p><b>LEED® 09CI</b> No</p> <p><b>LEED® 09NC</b> No</p> <p><b>LEED® 09CS</b> No</p> <p><b>LEED® H</b> No</p>

**SURFACE PREPARATION**

**General: New Work** – The entire surface area shall be clean, dry sound and free from all dirt, grease, oils, waxes and any other surface contaminants. Surface area should be sanded smooth with 180 - 220 grit sandpaper. Thoroughly remove any sanding dust from the surface area with a vacuum and/or tack cloth. Repair/replace any damaged and/or delaminated surface areas, such as cracks, gouges, etc. with a properly recommended wood repair and/or putty. Allow all repairs to dry thoroughly, then sand smooth before application of stains or varnishes.

**Refinish Work** – When refinishing a previously varnished surface area, the entire surface area shall be clean, dry, and sound. Lightly sand the surface area to effectively dull any existing sheen. Previously varnished surface areas that are in poor condition should be completely stripped down to the original substrate, then refinished as a new piece of woodworking.

\* **SPECIAL NOTE** \* When finishing any bare wood surface areas, a sealer coat of this product thinned with mineral spirits is recommended. Allow approximately 24 hours to dry, then lightly sand smooth with 220 grit sandpaper. This procedure will promote a smoother finish coat.

- **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](http://www.epa.gov/lead).

**PRODUCT ANALYSIS DATA**

**PIGMENT: 1.33%**

**VEHICLE: 98.67%**

*MORE DETAILED PRODUCT ANALYSIS DATA IS AVAILABLE UPON REQUEST.*

**TECHNICAL DATA**

- **COLORS:** Clear
- **TINTING:** Not Recommended
- **VEHICLE TYPE:** Alkyd Urethane
- **VISCOSITY:** 55 KU ± 3
- **GLOSS @ 60°:** Semi-Gloss / 48 units ± 2
- **FLASH POINT:** 105° F
- **VOC:** Not to Exceed 450 g/l – 3.78 lb/gal (Meets AIM Standards)
- **SOLIDS:** By Volume: 43.42% ± 2%  
By Weight: 50.65% ± 2%
- **COVERAGE:** 300 – 500 Sq. Ft. / Gal. (Depending on Application & Surface Porosity.)
- **MIL FILM:** Estimated @ 450 Sq. Ft. / Gal.  
**Wet:** 3.6 mils                      **Dry:** 1.5 mils
- **DRY TIME:** (@ 70° F & 50% Relative Humidity)  
To Touch: 6 – 8 Hours  
Recoat: Overnight
- **CLEAN UP:** Mineral Spirits
- **THINNING:** Mineral Spirits

## 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
  - 99, Rich Wood Interior Varnish Sanding Sealer
- **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.
- **Airless Spray Application:**
  - **Pump:** Graco – GM3000/495ST                      Wagner – EP2300
  - **Tip:** 0.011 – 0.013 Reversible
  - **Pressure:** Minimum 2000 psi
  - **Hose:** ¼ inch (6.3 mm) - ⅜ inch (10 mm)

## PACKAGING & WEIGHT PER GALLON

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

- **Weight per Gallon:** 7.53 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 05-13

## PRODUCT APPLICATION – General

**Rich Wood Polyurethane Semi-Gloss Varnish** may be easily applied with a quality natural bristle brush, mohair roller cover, HVLP, 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, it is recommended to apply two 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 respraying or reworking.
- Maintain a wet edge by brushing or rolling into previously applied coating area, avoiding any excessive build up.
- 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 and/or back-brushed so to insure proper adhesion and a smooth finish.
- The first coat application should be allowed to dry overnight, then lightly sanded with 220 grit sandpaper or wiped down with a #4 finishing steel wool to effectively dull any existing sheen before application of second coat application.
- **Richard's Rich Wood Polyurethane Gloss Varnish** is fully cured and mar-proof within five (5) days.
- Apply when temperature are above 55< F.

## PRODUCT LIMITATIONS

- Not recommended for application over shellac, lacquers and sealers containing stearates, or wood fillers containing stearates.
- 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!**