



# PRODUCT DATA SHEET

PROD. #70  
**RICH WOOD INTERIOR**  
**ACRYLIC URETHANE GLOSS VARNISH**



## PRODUCT DESCRIPTION

Richard's Rich Wood Interior Acrylic Urethane Gloss Varnish is a specially formulated acrylic urethane varnish designed for application to a variety of interior wood surfaces, including floors. It provides a rich gloss finish that dries clear, is hard and durable, resists abrasion, chipping, cracking, and resists household cleaning liquids. It has a low odor, good brushing and rolling properties, dries fast, cleans up with water, offers excellent product versatility, and is non-flammable. Its special formulation enhances the total beauty of bare and/or stained wood surfaces and is environmentally safe. For Interior & Limited Exterior Use.

PRODUCT FEATURES	PRODUCT USES	PERFORMANCE QUALITIES
<ul style="list-style-type: none"> <li>Acrylic Polyurethane Formula</li> <li>Rich Gloss Finish</li> <li>Excellent Durability</li> <li>Dries Clear</li> <li>Resists Abrasion &amp; Chipping</li> <li>Excellent Product Versatility</li> <li>Non-Flammable</li> <li>VOC Compliant</li> <li>Easy To Apply</li> </ul>	<p><i>Suitable for, but not limited to the following properly prepared surfaces;</i></p> <p><b>INTERIOR WOOD</b></p> <ul style="list-style-type: none"> <li>Trim</li> <li>Doors</li> <li>Furniture</li> <li>Cabinets</li> <li>Floors</li> <li>Stairways</li> <li>Paneling</li> <li>Stairway Railings</li> <li>Spindles</li> <li>Arts, Crafts &amp; Faux Finishes</li> </ul> <p><b>NOTE: Exterior Use Is Limited To Protected Or Covered Doors And Porch Ceilings.</b></p> <p><b>NOT FOR USE ON EXTERIOR WOOD TRIM OR SIDING!</b></p>	<p><b>Product Quality:</b> Premium / Best</p> <p><b>Product Use:</b> Interior</p> <p><b>Application:</b> Brush, Roller &amp; Airless Spray</p> <p><b>Product System:</b> Water-Based</p> <p><b>Sheen:</b> Gloss</p> <p><b>VOC Compliance:</b> AIM, CARB, LDGO/OTC, SCAQMD</p> <p><b>Federal Standards:</b> N/A</p> <p><b>MPI Standards:</b> No</p> <p><b>LEED®:</b> No</p>

## SURFACE PREPARATION

**GENERAL:** The entire surface area to be painted should be clean, dry, sound, and free from dirt, grease, oils, shellac, lacquer, waxes, mildew, polishes and any other surface contaminants that may adversely affect the performance of this coating material. Remove any lacquers and shellacs with a quality paint stripper. Remove any wax buildup with a wax stripper.  
 (NOTE: Insufficient removal of contaminants, such as, oils, waxes, etc. may cause the newly applied finish to wrinkle, fish-eye, or crawl. This product may have an amber cast over white surfaces.)

- New Work:** 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. New floor surfaces should be final screened with 120 or 150 grit sanding screen. Repair/replace any damaged and/or delaminated surface areas, such as cracks, gouges, etc. with a properly recommended non-wax 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, as stated above. Existing varnish or painted surfaces should be well sanded with a 150 – 220 grit sandpaper to effectively dull any existing sheen and allow for proper adhesion. Remove all sanding dust with a tack cloth, a lightly damp cloth, or vacuum. 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. Previously varnished floors should be completely stripped down to bare wood and refinished properly.
- SURFACE REPAIRS:** Repair/replace any damaged and/or delaminated surface areas with the proper recommended patching and/or building materials. Allow all patching materials to dry thoroughly before application of paint coatings. Sand all rough paint edges smooth to adjacent surface area. Sand all glossy surfaces to dull existing finish.
- MILDEW:** Surface areas affected by mildew should be treated with a commercial mildew removal and/or cleaner 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](http://www.epa.gov/lead).

## TECHNICAL DATA

- COLORS:** Clear
- TINTING:** Not Recommended
- VEHICLE TYPE:** Acrylic Urethane
- VISCOSITY:** 68 KU ± 2
- GLOSS @ 60°:** Gloss / 85 units +
- FLASH POINT:** N/A
- COATING VOC:** Not to Exceed 275 g/l – 2.31 lb/gal  
*(Meets AIM, LADCO/OTC CARB & SCAQMD Standards)*
- SOLIDS:**  
 By Volume: 26.83%      By Weight: 30.11%
- ESTIMATED COVERAGE:** 300 – 500 SFPG  
*(Coverage will vary significantly depending on application method, surface porosity and condition of the surface.)*
- RECOMMENDED MIL FILM:** *(Estimated @ 400 SFPG)*  
 Wet: 4.0 mils      Dry: 1.1 mils
- ESTIMATED DRY TIME:** *(@ 70° F & 50% Relative Humidity)*  
**To Touch:** 1 - 2 hrs. | **Recoat:** 4 - 6 hrs.  
*(Actual dry time may vary according to relative humidity, temperature, color, applied film build and air movement.)*
- DRIES BY:** Coalescence / Solvent Evaporation
- CLEAN UP:** Warm Soap & Water
- THINNING:** Clean Water
- WEIGHT PER GALLON:** 8.83 lbs.
- SHELF LIFE:** Unopened - 2 - 3 years
- PACKAGING:**  
 Quarts: 6/case      Gallons: 4/case  
 2 Gallons: N/A      5 Gallons: Each

## RECOMMENDED PRIMER COATINGS

Although formulated to be self-priming on properly prepared painted surfaces in good condition, the following Richard's products are recommended primer coatings for this finish coating material. However, recommended primer coatings are not limited to the products listed below;

- **New Wood:**
  - Self-Priming
  - 71, Rich Wood Polyurethane Waterborne Sanding Sealer
- **Previously Painted Surfaces:**
  - Self-Priming

## APPLICATION EQUIPMENT

- **Brush Application:** Apply using a quality nylon, polyester, or combination nylon/polyester bristle brush.
- **Roller Application:** Apply using a smooth nap synthetic roller cover, pad applicator, or foam roller made for applying stains and varnishes.
- **Spray Application:**
  - **Pump:** Gas or Electric Airless Sprayer
  - **Pressure:** Minimum 1500 – 2000 PSI
  - **Tip:** 0.013 – 0.015 Reversible
  - **Hose:** ¼ inch (6.3 mm) - ¾ inch (10 mm)

## PRODUCT LIMITATIONS

- Not intended for broad 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 splatters immediately with warm soapy water, 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 clean water up to ½ pint per gallon.

## PRODUCT APPLICATION – General

Rich Wood Acrylic Urethane Gloss Varnish may be easily applied with a quality brush, roller cover, or airless spray equipment as follows;

- Stir product thoroughly before and during application. 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 thoroughly dry and sanding between coats.
- When applying by brush, apply a thin and smooth coat application in the direction of the wood grain in/on small surface areas, such as trim or cutting in larger surface areas.
- When applying by roller cover, apply a thin and even coat application in the direction of the wood grain maintaining a wet edge during application and avoiding lap marks.
- Apply slowly to minimize any bubbles, or texturing of finish. If this should occur, it is recommended to feather brush the affected areas with a quality brush to ensure a smooth finish.
- When applying to floors, under ideal conditions, allow 2 – 4 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.*
- When applying by airless spray equipment, you may need to back-roll or brush to ensure proper adhesion and a smooth application and finish.
- Apply when surface and ambient temperatures are above 55° F and below 90° F. **KEEP FROM FREEZING!**
- Avoid exterior paint application when weather conditions are threatening, and late in the day when there is a threat of moisture condensing on wet paint.

## PRECAUTIONARY & SAFETY INFORMATION

**CAUTIONS:** Avoid prolonged contact with skin, and breathing of dust, vapors and/or spray mists. Causes eye irritation. **USE WITH ADEQUATE VENTILATION!** Ensure fresh air entry during application and drying. If you experience eye water, headache or dizziness, or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriately fitted respirator, (NIOSH approved), during and after application. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes, skin and clothing. 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.

**KEEP OUT OF REACH OF CHILDREN!**

## WARRANTY

The Richard's Paint Mfg. Co., Inc. warrants our products to be free from manufacturing defects in accord with applicable Richard's Paint quality control procedures. Liability for product proven to be defective, if any is limited to the replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Richard's Paint Mfg. Co., Inc.

**NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY RICHARD'S PAINT MFG. CO., INC., EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

## LIMITATIONS

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