



PRODUCT DATA SHEET

PROD. #71
**RICH WOOD POLYURETHANE
 WATERBORNE SANDING SEALER**



PRODUCT DESCRIPTION

Richard's Rich Wood Acrylic Polyurethane Waterborne Sanding Sealer is a specially formulated waterborne sanding sealer designed to work as a base coat under water-based polyurethane finishes. It seals the wood grain, and provides an easy to sand surface. This water based sanding sealer is an excellent choice for a water clean-up sealer that will seal the wood and form a base coat for waterborne protective clear finishes. It may be used on unstained, interior, bare wood surfaces including doors, cabinets, floors, furniture and many other wood surfaces.

PRODUCT FEATURES	PRODUCT USES	PERFORMANCE QUALITIES	VOC COMPLIANCE						
<ul style="list-style-type: none"> Acrylic Polyurethane Formula Dries Clear Penetrates & Seals Fast Dry Excellent Sanding Properties Easy To Apply ENVIRONMENTALLY SAFE 	<p><i>Suitable for, but not limited to the following properly prepared surfaces;</i></p> <p>INTERIOR UNSTAINED WOOD</p> <table border="0"> <tr> <td>Doors</td> <td>Floors</td> </tr> <tr> <td>Trim</td> <td>Paneling</td> </tr> <tr> <td>Cabinets</td> <td>Furniture</td> </tr> </table> <p>NOT FOR USE ON EXTERIOR WOOD SURFACES!</p>	Doors	Floors	Trim	Paneling	Cabinets	Furniture	<p>Product Quality: Premium / Best</p> <p>Product Use: Interior Only</p> <p>Application: Brush, Roller, Pad, & Airless Spray</p> <p>Product System: Water-Based</p> <p>Finish: Satin / Semi-Gloss</p>	<p>AIM Yes</p> <p>OTC Yes</p> <p>CARB Yes</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>
Doors	Floors								
Trim	Paneling								
Cabinets	Furniture								

SURFACE PREPARATION

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

- 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. 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. Repair or replace damaged and/or delaminated surface areas as described above. 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.

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: 0.29%

VEHICLE: 99.71%

MORE DETAILED PRODUCT ANALYSIS DATA IS AVAILABLE UPON REQUEST.

TECHNICAL DATA

- COLORS:** Clear
- TINTING:** Not Recommended
- VEHICLE TYPE:** Acrylic Polyurethane
- VISCOSITY:** 60 KU ± 2
- GLOSS @ 60°:** Semi-Gloss / 49 ± 1
- FLASH POINT:** N/A
- VOC:** Not to Exceed 350 g/l – 2.94 lb/gal (Meets AIM, OTC, & CARB Standards)
- SOLIDS:** By Volume: 19.69% ± 2%
By Weight: 22.24% ± 2%
- COVERAGE:** 400 – 450 Sq. Ft. / Gal. (Coverage will vary significantly depending on application method, surface porosity and condition of the surface.)
- MIL FILM:** Estimated @ 400 Sq. Ft. / Gal.
Wet: 4.0 mils Dry: 0.8 mils
- DRY TIME:** (@ 70° F & 50% Relative Humidity)
To Touch: 30 Min.
Recoat: 2 – 4 Hours
(Dry times listed may vary according to relative humidity, temperature, film build, color and air movement.)
- CLEAN UP:** Warm Soapy Water
- THINNING:** DO NOT THIN!

RECOMMENDED PRIMER COATINGS

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

- **New Wood:**
 - 70, Rich Wood Acrylic Urethane Gloss Varnish
 - 73, Rich Wood Acrylic Urethane Semi-Gloss Varnish
 - 75, Rich Wood Acrylic Urethane Satin Varnish
 - 76, Rich Wood Acrylic Urethane Flat Varnish

APPLICATION EQUIPMENT

- **Brush Application:** Apply using a quality nylon, polyester, or combination nylon/polyester bristle brush.
- **Roller Application:** Apply using a smooth - medium nap synthetic or lamb's wool roller cover, or pad applicator depending on the texture and surface porosity.
- **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)

PACKAGING & WEIGHT PER GALLON

- **Packaging:**

Quarts – 6/Case	Gallons – 4/case
2 Gallons – N/A	5 Gallons – N/A
- **Weight per Gallon:** 8.62 lbs.
- **Storage:** Indoors away from heat, sparks and flames.
- **Shelf Life:** 2 – 3 years.

CLEAN UP & THINNING INSTRUCTIONS

Clean Up: Clean up any minor spills and spatters 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.

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 10-14

PRODUCT APPLICATION – General

Richard's Rich Wood Polyurethane Waterborne Sanding Sealer may be easily applied with a quality brush, roller cover, pad applicator, or airless spray equipment as follows;

- Stir thoroughly in a spiral up and down motion before and during application to keep product completely mixed.
- When applying by brush, apply a smooth and generous coat application in the direction of the wood grain in/on small surfaces areas, such as trim or cutting in larger surface areas.
- When applying by roller cover or pad applicator, apply an even coat application in the direction of the wood grain and to effectively work sealer into wood pores.
- When applying by airless spray equipment, you may need to back-roll or brush to ensure proper adhesion and a smooth application, and to effectively work sealer into wood fibers.
- If Sealer is to be used as a finish coat, apply two to three finish coat applications. Allow to dry thoroughly and lightly sanding between coats.
- Apply when surface and ambient temperatures are above 55° F and below 90° F. **KEEP FROM FREEZING!**

PRODUCT LIMITATIONS

- Not for use on exterior wood surfaces.
- 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: 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!