



**PRODUCT DATA SHEET**  
**PROD. #1720**  
**RICH WOOD PRO**  
**WATERBORNE LACQUER UNDERCOATER**



**PRODUCT DESCRIPTION**

**Rich Wood PRO Waterborne Lacquer Undercoater** is a fast drying, easy sanding water borne white primer. It is designed to help prevent tannin / stain migration and prevent bleed-through while also creating an ideal smooth basecoat for water borne or solvent borne pigmented topcoats. It is formulated for use in all general wood finishing, including: kitchen and bathroom cabinetry, fine furniture, interior woodwork and architectural millwork. Use as a primer / undercoater on unfinished MDF, softwoods such as pine and cedar, and hard woods such as oak, poplar, birch and maple. May also be used to prime exterior wood furniture, window components, shutters, trim and doors. This product is low odor and non-flammable for a safe and friendly work environment. For Interior / Exterior Use.

PRODUCT FEATURES	PRODUCT USES	PERFORMANCE QUALITIES
<ul style="list-style-type: none"> <li>Fast Drying</li> <li>Easy Sanding</li> <li>Ready-to-Spray</li> <li>Tannin Bleed Resistant</li> <li>HAPS Free</li> <li>Topcoat with Water or Solvent</li> <li>Water Clean-Up</li> </ul>	<p><i>Suitable for, but not limited to the following properly prepared surfaces;</i></p> <ul style="list-style-type: none"> <li>Cabinets</li> <li>Furniture</li> <li>Interior Woodwork</li> <li>Architectural Millwork</li> <li>MDF</li> <li>Oak</li> <li>Poplar</li> <li>Birch</li> <li>Maple</li> <li>Pine</li> </ul> <p><b>For Interior / Exterior Use.</b></p>	<ul style="list-style-type: none"> <li><b>Product Quality:</b> Premium / Best</li> <li><b>Product Use:</b> Interior / Exterior</li> <li><b>Application:</b> Spray Application</li> <li><b>Product System:</b> Water-Based</li> <li><b>Sheen:</b> Flat</li> <li><b>VOC Compliance:</b> All areas of the U.S. and Canada</li> </ul>

**SURFACE PREPARATION**

**GENERAL:** Surface to be primed should be clean, dry, sound, and free from dirt, grease, oils, waxes, and any other surface contaminants that may adversely affect coating performance. Moisture content of wood should be no higher than 6-8%. Proper sanding and preparation of the wood is critical to achieving consistent results.

**NEW WOOD:** Finish sand surface (150-180 grit) and remove all sanding dust.

**PREVIOUSLY FINISHED WOOD:** Strip old finishes completely and remove all contaminants from the surface. Make sure surface is dry. Finish as new work.

**TESTING:** The information, data, and recommendations set forth in this Product Data Sheet are based upon test results believed to be reliable. However, due to the wide variety of substrates, substrate properties, surface preparation methods, equipment and tools, application methods, and environments, the customer should test the complete system for adhesion, compatibility and performance prior to full scale application.

**AIR QUALITY DATA:**

- Non-photochemically reactive
- Volatile Organic Compound (VOC), Not to Exceed 100 g/l – 0.83 lbs./gal
- Volatile Hazardous Air Pollutants (VHAP), <1%
- Volatile Hazardous Air Pollutant Ratio (VHAP Ratio), <.01 (# VHAP / # NMV)

**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:** White
- TINTING:** Universal Colorant - Up To 2 oz./ gal.
- VEHICLE TYPE:** 100% Acrylic
- VISCOSITY:** 45 Seconds ± 2 (#4 Ford Cup)
- FINISH:** Flat | 2 – 3 units
- FLASH POINT:** N/A
- SOLIDS BY VOLUME:** 39.1% ± 2%
- SOLIDS BY WEIGHT:** 57.2% ± 2%
- RECOMMENDED MIL FILM:**  
**Wet:** 3 - 5 mils                      **Dry:** 1.2 – 2.0 mils
- ESTIMATED DRY TIME:** (@ 70° F & 50% Relative Humidity)  
**To Touch:** <10 min. | **Sand:** 30 min. | **Recoat:** 2 hrs.  
*(Actual dry time may vary according to relative humidity, temperature, color, applied film build and air movement.)*
- DRIES BY:** Coalescence
- CLEAN UP:** Warm Soap & Water
- THINNING:** Clean Water
- WEIGHT/GAL:** 11.9 lbs.
- SHELF LIFE:** 1 year unopened.
- PACKAGING:** Gal. – 4/cs. | 5 Gal. - Each

#### PRIMER:

Mix well before use, then apply the primer coat in one smooth, even application of 3 - 5 mils wet film thickness. After 20 - 30 minutes dry time, depending on ambient conditions, machine sand (for best results) or hand sand with 240 - 320 grit, stearated silicon carbide sandpaper.

#### APPLICATION:

Apply by spray only. Check with equipment manufacturer for ideal settings to achieve proper atomization. Make sure equipment is designed for use with waterborne products. Follow all recommended maintenance procedures. To promote adhesion, scuff sand between coats and remove dust. Do not use steel wool.

#### TOPCOAT:

Choose the appropriate topcoat and agitate well (consult with sales representative about use of solvent topcoat). Verify the surface is clean and dust-free, then apply an even, wet coat of four (4) mils.

#### ADDITIONAL FINISHING NOTES:

Total dry film thickness should not exceed four (4) mils. All products should be stirred well before use and, for best results, continuously agitated while in use. Do not mix with other finishing systems. Richard's Paint will not be held liable for finish failure resulting from mixing products or systems

#### CLEANUP:

Use warm water to clean equipment. Dispose of dirty cleaning rags in a safe and appropriate manner.

#### WARNING:

Always pre-test the system on your substrate and line conditions to verify suitability and avoid costly refinishing. Care should be taken to keep ambient temperatures above 65° F for substrate and coating. Abnormal conditions of temperature and humidity may adversely affect product performance.

#### CLEANING FINISHED PRODUCTS:

For general care and maintenance of all Richard's Paint finishes, the following procedure is recommended: Clean with warm water using a clean cotton towel or rag. To obtain the longest product life possible, use of soaps, cleaners, solvents, waxes, ammonia, and other household chemicals should be avoided. Refrain from using paper products to clean wood finishes.

#### 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 LIMITATIONS

- Not for use in corrosive or chemical environments.
- Not for use in areas subject to intense heat.

#### 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!**

#### LIMITED WARRANTY

Richard's Paint Mfg. Co., Inc. warrants our products to meet the application, appearance and performance properties stated on the label. This Limited Warranty shall not apply to any defect or damage resulting from improper surface preparation, structural defects, failure of a previous paint or improper application of the coating, as described in the directions on the label of this container. If this product is found not to perform as specified, Richard's Paint will, at its option and upon presentation of proof-of-purchase (the original receipt), either furnish an equivalent amount of new product or refund the original purchase price of this product to you. **ALL OTHER WARRANTIES ARE EXCLUDED 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

Seller's liability for any reason is expressly limited to reimbursement of the purchase price of the materials sold after proof of purchase is provided to the seller. **THIS WARRANTY EXCLUDES (1) LABOR AND COSTS ASSOCIATED WITH LABOR FOR THE APPLICATION OR REMOVAL OF ANY PRODUCT, AND (2) ANY INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OR RESULTING FOR ANY REASON UNDER THE SALE, HANDLING, OR USE OF GOODS SOLD.** Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state. This Limited Warranty may not be transferred or assigned.

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