



**Coatings Excellence Since 1899**

**Sampson Coatings 1900 Ellen Rd Richmond, VA 23230**  
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## PRODUCT DATA SHEET

3/18/2014 - This document supercedes all previous product data sheets.

### Poly-U-Var Premium Clear Polyurethane Wood Finish Semi-Gloss

**Product Code: 020925**

#### DESCRIPTION

Poly-U-Var Premium Clear Polyurethane Wood Finish is an extremely durable clear varnish available in three popular sheens. It is recommended for interior residential or commercial floors, paneling, cabinets, doors, trim, furniture, and bar tops, etc. It is not recommended for rough texture paneling or siding. This product is superior to conventional polyurethane in toughness, resistance to alcohol, water, cleaners, and abrasion.

#### FEATURES

- Superior Abrasion Resistance
- Exceptional Flow & Leveling
- High Film Build
- Low Odor

#### STAIN

If desired use Sampson's 029 series AIM Complaint stains.

#### APPLICATION

Do not shake or stir excessively. Apply with a clean, China bristle brush, lambs wool applicator, or mohair roller. Sand/screen in between coats according to NOFMA Standards. Remove dusts and residues by vacuuming and/or tack cloth. This product is self sealing. Apply 2-3 coats on unfinished wood. Normal drying conditions at 77°F., 50% R.H., is 1-2 hours to touch, 4-6 hours to dust free, and 8 hours to overnight to sand or recoat. For maximum performance, recoat within 48 hours. After 48 hour must use 80 - 100 grit paper or pad to ensure proper adhesion.

#### SURFACE PREPARATION

All surfaces must be clean and free of wax, oils, sawdust, dirt, grease and contaminants. Previously coated surfaces must be in sound, recoat able condition.

#### PRECAUTIONS

Low temperature, high humidity, heavy application and excessive film build will extend drying times. Carpets or rugs should not be placed on floor for at least one week.

#### DRY TIME

The effect of temperature and humidity on dry time cannot be overstated. The "Normal" drying times specified under APPLICATION METHOD, i.e. 77 deg. F and 50% relative humidity is conditional upon the substrate temperature (The floor) even more so than the temperature of the air in the room. If you are applying the coating to the bottom floor of a building with a crawl space please be aware that the actual floor temperature could be as much as 20 degrees warmer or cooler than the temperature of the air in the room depending upon the time of year. Just as important is the temperature of the floor finish. If it has been stored in a cold location please expect longer drying times as it will take time for the coating to warm up to room temperature.

#### PHYSICAL PROPERTIES

Vehicle Type:	Oil-modified Urethane
Flash Point:	100 °F
Weight Solids:	40 - 44 %
Volume Solids:	33 - 37 %
Weight Per Gallon:	7.2 - 7.6 lbs/gal
Ford #4 Viscosity (25°C):	28 - 32 sec
60° Gloss:	60-65
English VOC:	< 4.3 lbs/gal
Metric VOC:	< 510 g/l
Dry to Touch:	2 - 4 hours
Dry to Dust Free:	4 - 8 hours
Dry to Hard:	4 - 8 hours
Dry to Sand/Recoat:	8 hours
Coverage:	558 sq ft (1 mil dry film)
Application Method:	See Paragraph
Reduction Solvent:	022008 Mineral Spirits
Clean Up Solvent:	022008 Mineral Spirits

#### CLEAN UP

Clean tools with mineral sprits or paint thinner.

#### CARING FOR YOUR FLOOR

Per The Wood Flooring Manufacturer's Association: "First and foremost water and wood do not mix. While a slightly dampened mop may be used over polyurethane and other surface finishes in good condition even small amounts of water can cause the deterioration of finishes and warp the underlying wood." Newly finished floors should not be cleaned with anything until the finish has completely cured which may take 7-14 days depending upon temperatures and humidity. Please advise your customer to consult the NOFMA Floor Care Guide for additional information which can be found on the Sampson Coatings website: [WWW.SAMPSONCOATINGS.COM](http://WWW.SAMPSONCOATINGS.COM) Under the tab Technical Bulletins / Cleaning / Wood Floor Cleaning.

#### MOISTURE CONTENT

The application of a coating to a surface with a higher moisture content may prolong dry time. Always verify wood moisture content with a quality moisture meter and follow wood manufacturer's recommendations.

**SAFETY:**

Before starting any of the following procedures, be sure you have and use Personal and Environmental Protective Equipment for all hazards involved. Please read the Material Safety Data Sheet information before using this product.

**ADVISORY:**

The National Paint and Coatings Association (NPCA) has determined that 80% of all paint and coatings failures can be directly related to improper or inadequate surface preparation.

National Paint and Coatings Association, [www.paint.org](http://www.paint.org)

**CAUTION!****COMBUSTIBLE LIQUID AND VAPOR;****WARNING!****VAPOR HARMFUL!  
HARMFUL OR FATAL IF SWALLOWED;****PRECAUTIONS:**

Dry times are based on laboratory tests at 77 °F and 50% relative humidity. Low temperature, high humidity, heavy application and excessive film build will extend drying times.

**WARNING:**

Use only with adequate ventilation. Do not breathe vapors or spray mists. Ensure fresh air entry during application and drying. If sanding, applying by spray application, or you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor mist levels above applicable limits, wear an appropriate properly fitted respirator (NIOSH approved) during and after application. Follow manufacturer's directions for respirator use. Close container after each use. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

If you scrape, sand or remove old paint from any surface, you may release lead dust or other chemical dust hazards. 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 dust exposure. Carefully clean up with a wet mop or HEPA vacuum. Before you start, find out how to protect yourself and your family by contacting the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD (5323) or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

National Institute for Occupational Safety and Health, [www.cdc.gov/niosh/programs/](http://www.cdc.gov/niosh/programs/)  
Mine Safety and Health Administration, [www.msha.gov](http://www.msha.gov)

**FIRST AID:**

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. CALL PHYSICIAN IMMEDIATELY. In case of eye contact, flush eyes immediately with plenty of water for at least 15 minutes and get medical attention immediately; for skin, wash thoroughly with soap and water.

**SPILL:**

If spilled, contain spilled material and remove with inert absorbent.

**DISPOSAL:**

Dispose of contaminated absorbent, container, and unused contents in accordance with local, state and federal regulations.

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