

<b>STAIN</b>	<b>TECHNICAL DATA</b>	<b>VAR-01</b>
	<b>VARATHANE®</b> <b>INTERIOR OIL-BASED POLYURETHANE</b>	

### DESCRIPTION AND USES

Varathane® Interior Oil-based Polyurethane is an oil-modified polyurethane designed to provide abrasion and scratch resistance to stained wood surfaces. This product is ideal for application to all interior projects such as furniture, doors, cabinets and trim. It is NOT recommended for linoleum, vinyl or glazed tiles and metal.

### PRODUCTS

Description	Quart	½-Pint	Gallon	350 VOC Gal
Gloss	9041	9061	9031	9032
Semi-Gloss	6041	6061	6031	6032
Satin	9141	9161	9131	9132

### PRODUCT APPLICATION

#### SURFACE PREPARATION

**Previously Finished Surfaces** – To ensure proper adhesion, surfaces must be clean, dry, and free of wax, grease, oil, shellac, lacquer, mildew, and polishes. Remove wax with a wax stripper, shellac with a paint stripper, and mildew with a solution of 10% household bleach and water. Old finishes in poor condition should be removed. Sand using 150-220 grit sandpaper to obtain a smooth surface. Remove all sanding dust using a vacuum, tack cloth, or cloth dampened with mineral spirits.

**Unfinished Surfaces** – Sand using 150-220 grit sandpaper and remove all sanding dust using a vacuum, tack cloth, or rag dampened with mineral spirits. If a filler or putty is used, make sure it does not contain wax allow enough time for it to dry thoroughly.

**Stained or Painted Wood** – Follow manufacturer's directions for application of the stain or paint. Make certain the surface is thoroughly dry before applying Varathane Oil-Based Polyurethane. Using this polyurethane over white or lightly painted surfaces could cause discoloration. Refer to the manufacturer's label for dry times. For best results, use Varathane Premium Wood Stains.

### PRODUCT APPLICATION (cont.)

**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 a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

#### APPLICATION

Do not apply in direct sunlight. Use in an area with adequate ventilation such as an open garage. Use only when air (ambient) temperature is between 55-90°F (13-32°C) and relative humidity is below 85%. Lower temperatures and/or high humidity may cause slower dry times and slower dry may also result from applications on redwood, cedar or woods with high oil content, or when applied over some stains. Use full strength. Do not thin. Stir thoroughly before and during use. To prevent bubbles in the finish,

**DO NOT SHAKE.** Apply using a good quality natural bristle brush or applicator. Allow the finish to dry 8 hours before re-coating. Re-coat only when previous coats have dried clear and feel hard. The coating should no longer feel tacky to the touch. If any coat has dried more than 12 hours, lightly sand before applying another coat. A minimum of two coats is recommended. Allow the finish to dry 24 hours before light use. Wait 3 days before subjecting the surface to normal usage.

#### DRY AND RECOAT TIMES

Dry and recoat times are based on 70°F and 50% relative humidity. Allow more time at cooler temperatures. Dries to the touch in 1-2 hours and can be recoated in 4-6 hours. Surface is ready for light foot traffic in 24 hours and full use in 72 hours.

#### CLEAN UP

Clean application tools and equipment with mineral spirits or paint thinner.

**TECHNICAL DATA****VARATHANE® INTERIOR OIL-BASED POLYURETHANE****PHYSICAL PROPERTIES**

		INTERIOR OIL-BASED POLYURETHANE
<b>Resin Type</b>		Urethane Modified Alkyd
<b>Pigment Type</b>		None
<b>Solvents</b>		Mineral Spirits, Naphtha
<b>Weight</b>	<b>Per Gallon</b>	7.45-7.53 lbs.
	<b>Per Liter</b>	0.89-0.90 kg
<b>Solids</b>	<b>By Weight</b>	49.7-50.2%
	<b>By Volume</b>	42.0-42.1%
<b>Volatile Organic Compounds</b>		<350 g/l (2.9 lbs./gal.)
<b>Recommended Dry Film Thickness (DFT) Per Coat</b>		1.0-2.0 mils (25-50 $\mu$ )
<b>Wet Film to Achieve DFT (unthinned material)</b>		2.5-5.0 mils (62.5-125 $\mu$ )
<b>Theoretical Coverage at 1 mil DFT (25<math>\mu</math>)</b>		675 sq.ft./gal. (16.6 m <sup>2</sup> /l)
<b>Practical Coverage at Recommended DFT (assumes 15% material loss)</b>		290-575 sq.ft./gal. (7.1-14.1 m <sup>2</sup> /l) 75-150 sq.ft./quart (1.3-3.7 m <sup>2</sup> /l)
<b>Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity</b>	<b>Touch</b>	2 hours
	<b>Handle</b>	4-6 hours
	<b>Recoat</b>	8 hours
<b>Shelf Life</b>		3 years
<b>Flash Point</b>		106°F (41°C)
<b>Safety Information</b>		For additional information, see MSDS

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