



**VARATHANE®  
SPAR URETHANE**

**DESCRIPTION AND USES**

Varathane® Premium Spar Urethane is designed to provide excellent protection for all your wood projects. Varathane Premium Spar Urethane is formulated to provide protection from UV light and weather. It is ideal for all types of outdoor projects, including fences, railings, patio furniture, house trim, and boats (above the water line). It is not recommended for decks or high traffic areas, siding, or rough-sawn surfaces.

**PRODUCTS**

<b>1-Gallon</b>	<b>Description</b>
9232	Gloss
9332	Satin
9432	Semi-Gloss

**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 up to 10% household bleach and water. Old finishes in poor condition must be removed by sanding using 120-150 grit sandpaper. Remove all sanding dust using a vacuum or cloth dampened with mineral spirits.

**UNFINISHED SURFACE PREPARATION** - Sand smooth using 120–150 grit sandpaper and remove all sanding dust with a vacuum or cloth dampened with mineral spirits. If a filler or putty is used, make sure that it does not contain wax and allow enough time for it 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 a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

**PRODUCT APPLICATION (cont.)**

**APPLICATION**

**Testing Color** - Test Varathane Premium Spar Urethane in an inconspicuous area before beginning. Testing is particularly important when applying over paints or stains as the appearance of these products may change slightly when an oil-based finish is applied.

Do not apply in direct sunlight. Use adequate ventilation at all times. Apply only when air (ambient) temperature is between 55-90°F (13-32°C) and the relative humidity is below 85%. Be careful when applying over white or pastel paints or stains as discoloration may occur. Use full strength. Do not thin. Stir thoroughly before and during use. To prevent bubbles in the finish, **DO NOT SHAKE**, do not over-brush or apply with a roller.

Apply using a good quality, natural bristle brush or applicator. Allow the finish to dry 4 hours before re-coating. Slower dry times may result from applications on redwood, cedar or woods with a high oil content, or during periods of high humidity and/or low temperatures. Re-coat only when previous coats have dried clear and feel hard (no longer tacky to touch). If any coat has dried more than 12 hours, lightly sand before re-coating. A minimum of 3 coats is recommended. Allow finish to dry 24 hours before light use. Wait 3 days before subjecting surface to normal usage.

**CLEAN-UP**

Clean application tools and equipment with mineral spirits or paint thinner. Dispose of properly. For disposal guidance of unused amounts, contact your local or state government environmental control agency.

**TECHNICAL DATA****VARATHANE® SPAR URETHANE****PHYSICAL PROPERTIES**

		<b>Gloss</b>	<b>Semi-Gloss</b>	<b>Satin-Gloss</b>
<b>Resin Type</b>		Linseed oil modified Alkyd	Linseed oil modified Alkyd	Linseed oil modified Alkyd
<b>Pigment Type</b>		None	None	None
<b>Solvents</b>		Mineral Spirits	Mineral Spirits	Mineral Spirits
<b>Weight</b>	<b>Per Gallon</b>	8.4 lbs.	8.2 lbs.	8.2 lbs.
	<b>Per Liter</b>	1.0 kg	0.98 kg	0.98 kg
<b>Solids</b>	<b>By Weight</b>	52.7%	50.6%	49.7%
	<b>By Volume</b>	48.2%	46.9%	46.3%
<b>Volatile Organic Compounds</b>		349 g/l	350 g/l	350 g/l
<b>Recommended Dry Film Thickness (DFT) Per Coat</b>		1 mil	1 mil	1 mil
<b>Wet Film to Achieve DFT (unthinned material)</b>		2 mil	2 mil	2 mil
<b>Theoretical Coverage at 1 mil DFT (25µ) sq.ft./gal</b>		868 sq.ft./gal.	771 sq.ft./gal.	743 sq.ft./gal.
<b>Practical Coverage at Recommended DFT (sq.ft./gal) (assumes 15% material loss)</b>		650 sq.ft./gal.	640 sq.ft./gal.	630 sq.ft./gal.
<b>Dry Times at 77°F (25°C) and 50% Relative Humidity</b>	<b>Touch</b>	2 hours	2 hours	2 hours
	<b>Recoat</b>	4 hours	4 hours	4 hours
	<b>Light Traffic</b>	24 hours	24 hours	24 hours
<b>Shelf Life</b>		3 years	3 years	3 years
<b>Flash Point</b>		107° F (42°C)	107° F (42°C)	107° F (42°C)
<b>Safety Information</b>		For additional information, see MSDS		

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