



VARATHANE® WATER-BASED STAIN + SPAR URETHANE

DESCRIPTION AND USES

Varathane® Water-Based Stain + Spar Urethane lets you stain and finish outdoor furniture in one easy step. This premium formula allows you to quickly achieve a rich, deep color with a semi-gloss finish. Stain + Spar also offers protection from the elements. It features a fast dry time, low odor, and soap & water cleanup.

For exterior wood surfaces. Ideal for: railings, furniture, trim, and boats (above the waterline).

NOT RECOMMENDED FOR: Decks or high traffic areas, siding, or rough-sawn surfaces.

NOTE: THIS PRODUCT IS NOT INTENDED FOR INTERIOR SURFACES (except window trim). For interior surfaces, use Varathane One Step Stain + Polyurethane.

PRODUCTS

SKU	DESCRIPTION (32 oz.)
388142	Semi-Gloss Kona
388143	Semi-Gloss Sandstone
388144	Semi-Gloss Dark Walnut

PRODUCT APPLICATION

SURFACE PREPARATION

All Surfaces: Surfaces must be clean, dry, and free of wax, grease, oil, shellac, lacquer, mildew, polishes, and any other existing finishes. Remove wax with a wax stripper, shellac with a paint thinner, mildew with a solution of up to 10% household bleach and tap water, and any other existing finish with sandpaper or stripper. Old finishes in poor condition must be removed.

Bare or Unfinished Wood: Remove any existing finishes with sandpaper or stripper. Prepare bare wood for product application by sanding in the direction of the grain. Begin with Gator® #150 grit sandpaper and progress through #180 and #220 grits. Before staining, remove all sanding dust, dirt, grease, or glue with a vacuum or clean rag dampened with mineral spirits.

Wood with Existing Urethane Finish: Lightly sand existing finish with #320 grit sandpaper to encourage adhesion. Remove all dust with a vacuum or clean lint-free rag.

PRODUCT APPLICATION (cont.)

SURFACE PREPARATION (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.

TESTING COLOR

Be sure to test Varathane Water-Based Stain + Spar Urethane to verify the desired color. To test, apply in an inconspicuous area. For a deeper color, additional coats may be applied.

APPLICATION

Stir thoroughly before and during use. To prevent bubbles in the finish, DO NOT SHAKE. Apply using a good-quality, synthetic bristle brush, foam brush or applicator. Do not apply in direct sunlight. Apply at temperatures above 55°F and below 90°F (13°-32°C). Allow finish to dry 2 hours and then recoat. Lower temperatures and/or higher humidity may cause slower dry times. Recoat only when previous coats have dried and feel hard. (A powder should develop when lightly sanded.) If any coat has dried more than 24 hours, lightly sand before recoating. A minimum of 3 coats are recommended. If grain raise occurs, sand smooth before final coat.

DRY TIME

Dry times are based on 70°F and 50% relative humidity. Dry times may be affected by temperature, humidity, and ventilation. Allow more time at cooler temperatures. Dries to the touch in 1 hour and can be recoated after 2 hours. Allow finish to dry 24 hours before light use. Wait 3 days before subjecting surface to normal usage.

CLEANUP

Clean up tools and equipment with soap and water.

STAIN	TECHNICAL DATA	VAR-144
	VARATHANE® WATER-BASED STAIN + SPAR URETHANE	

PHYSICAL PROPERTIES

		WATER-BASED STAIN + SPAR URETHANE
Resin Type		Water-Based Acrylic Modified Urethane
Pigment Type		Inorganic
Solvents		Glycol Ethers, Water
Weight	Per Gallon	8.5 lbs.
	Per Liter	1.02 kg
Solids	By Weight	25-26%
	By Volume	29.5-31.5%
Volatile Organic Compounds		<275 g/l (2.29 lbs./gal.)
Recommended Dry Film Thickness (DFT) Per Coat		1.0-1.5 mils (25-37.5μ)
Wet Film to Achieve DFT (unthinned material)		4-6 mils (102-152μ)
Practical Coverage at Recommended DFT (assumes 15% material loss)		60-90 sq. ft./quart
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	Touch	1 hour
	Recoat	2 hours
	Fully Cure	3 days
Shelf Life		3 years
Flash Point		>200°F (93°C)
Safety Information		For additional information, see SDS

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