



VARATHANE® WATER-BASED FLOOR POLYURETHANE

DESCRIPTION AND USES

Varathane® Water-based Floor Polyurethane is an acrylic polyurethane designed to enhance the natural beauty of wood. This water-based formula provides excellent scuff, scratch and stain resistance with the convenience of soap and water clean-up. It is suitable for use on all interior bare or stained hardwood floors and surfaces including furniture, doors, trim and more.

This product is not recommended for linoleum, vinyl or glazed tiles, metal or exterior surfaces.

PRODUCTS

SKU	DESCRIPTION (1-Gallon)
230031	Gloss
230131	Semi-Gloss
230231	Satin
286820	Matte

PRODUCT APPLICATION

SURFACE PREPARATION

PREVIOUSLY FINISHED SURFACES: For best adhesion, surfaces must be clean, dry and free of wax, grease, oil, shellac, lacquer, mildew and polishes. Waxes must be removed with a wax stripper; sanding does not remove wax. Shellac must be removed with a paint stripper. Previously finished floors in good condition should be cleaned with a TSP (Tri Sodium Phosphate) solution and rinsed thoroughly with clean water. Do not use TSP on bare wood floors as discoloring will occur. Some types of prefinished or factory finished floors may not be compatible with Varathane Premium Floor Finish. Refer to the Varathane Floor Finishing brochure or visit www.varathane.com for more information. Old finishes in poor condition must be removed. Use the Varathane EZV® floor sander to obtain a smooth surface. Remove all sanding dust using a vacuum or cloth dampened with mineral spirits. **Warning: Sanding dust can be a spontaneous combustion hazard. Always dispose of collected sanding dust immediately.**

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.

PRODUCT APPLICATION (cont.)

SURFACE PREPARATION (cont.)

STAINED OR PAINTED WOOD: Follow manufacturer's directions for application of stain or paint. Make certain surface is thoroughly dry before applying Varathane Premium Floor Finish. Refer to manufacturer's label for dry times. For best results, use Varathane Wood Stains.

UNFINISHED SURFACE PREPARATION: Using the Varathane EZV sander, sand the new wood surface. Remove dust with a rag dampened with mineral spirits or with a vacuum. Refer to the Varathane Floor Finishing brochure for more information.

APPLICATION TIPS

Test Varathane Water-based Floor Polyurethane in an inconspicuous area before beginning. **Testing is particularly important when applying over paints or stains as the appearance of these products may change when a water-based finish is applied.**

APPLICATION

Product appears milky when wet but dries to a crystal-clear coating. Use adequate ventilation at all times. Do not apply in direct sunlight. Apply when temperatures are between 55-90°F (12-38°C) and the relative humidity is below 85%. Use full strength. Do not dilute. Use care when applying over white or pastel paints or stains as discoloration may occur. 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, synthetic bristle brush, foam brush or floor finish applicator. Allow finish to dry a minimum of 2 hours and then re-coat. Lower temperatures and/or higher humidity may cause slower dry times. Recoat only when previous coats have dried clear and feel hard. A powder should develop when lightly sanded. If any coat has dried for more than 24 hours, lightly sand before re-coating. Apply additional coats following directions above. A minimum of 4 coats is recommended. If grain raise occurs, sand smooth before final coat. Allow finish to dry 24 hours before light use. Wait 3 days before subjecting surface to normal usage.

CLEANUP

Clean application tools and equipment with soap and water.

	TECHNICAL DATA	VAR-05
	VARATHANE® WATER-BASED FLOOR POLYURETHANE	

PHYSICAL PROPERTIES

		WATER-BASED FLOOR POLYURETHANE
Resin Type		Acrylic Urethane
Pigments		Aluminum Oxide, Amorphous Precipitated Silica
Solvents		Water, Glycol Ethers
Weight	Per Gallon	8.4-8.5 lbs.
	Per Liter	1.00-1.02 kg
Solids	By Weight	28.1-29.7%
	By Volume	26.6-27.2%
Volatile Organic Compounds		<275 g/l (<2.3 lbs./gal.)
Recommended Dry Film Thickness (DFT) per Coat		1.0 mils (25μ)
Wet Film to Achieve DFT (unthinned material)		3.5 mils (87.5μ)
Practical Coverage at Recommended DFT (assumes 15% material loss)		400-500 sq.ft./gal. (37-46 m ² /l)
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	Touch	1 hour
	Recoat	2 hours
	Light Use	24 hours
	Normal Use	3 days
Shelf Life		3 years
Flash Point		>200°F (93°C)
Safety Information		For additional information, see SDS

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