



Product Data Sheet
MINWAX® Performance Series
Waterborne Polyurethane Varnish

CHARACTERISTICS:

Performance Series is designed for use on architectural wood in commercial, institutional, and residential new construction and refinishing. The **Performance Series Waterborne Polyurethane Varnish** provides a rich, even finish with excellent clarity and good durability. It is recommended over white or pastel stain colors because of the clarity of the finish. **Performance Series Waterborne Polyurethane Varnish** can be used as protective finish over latex-based faux finishes.

Color:	Crystal clear when dry; Milky white when wet
Coverage:	400 – 500 sq. ft./gal
Drying Time, @77°F, 50% RH:	
To Touch:	30 minutes
To Sand:	1 hour
Recoat:	1 hour
Dry to use/service:	6 hours
To apply over latex faux:	18 hours
	<small>Drying and recoat times are temperature, humidity and film thickness dependent</small>
Finish:	
Gloss	80+ units @60 degrees
Satin	20-30 units @60 degrees
Vehicle Type:	Polyurethane Acrylic

A68V00091 Gloss

Flash Point:	N.A.
VOC (less exempt solvents):	315 g/L 2.63 lb/gal As per 40 CFR 59.406 and SOR/2009-264, s.12
Volume Solids:	25± 2%
Weight Solids:	29± 2%
Weight per Gallon:	8.54 lb.

A68F00090 Satin

Flash Point:	N.A.
VOC (less exempt solvents):	312 g/L 2.60 lb/gal As per 40 CFR 59.406 and SOR/2009-264, s.12
Volume Solids:	25± 2%
Weight Solids:	30± 2%
Weight per Gallon:	8.58 lb.

RECOMMENDED USE:

Interior Use Only

SPECIFICATION:

Suggested systems:

Speed & Clarity

- 1st: Minwax Pre-Stain Wood Conditioner Oil Based
- 2nd: Performance Series Tintable Interior Stain
- 3rd: Performance Series Waterborne Polyurethane Varnish

Note: When used on residential floors, a minimum of 3 coats of Performance Series Waterborne Polyurethane Varnish are recommended.



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Tinting with BAC or CCE:

Base oz/gal Strength
Clear 0-4 not controlled

White or light colors

Product is milky white in the can, but quickly dries to a crystal-clear finish.

SURFACE PREPARATION:

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Wood must be dry and cleaned of dirt, grease, wax, polish and marks. Old finishes in poor condition should be completely removed and the surface treated as a new surface. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

New wood should be stored inside for a minimum of 24 hours prior to staining. Stain or varnish applied to wood that has not been dried thoroughly can exhibit blotching, discoloration, or cracking.

Sand wood to a smooth surface using 100-120 grit paper. Remove sanding dust with a vacuum or tack cloth.

Avoid sanding wood that has only stain on it, sanding will remove some of the stain creating an uneven appearance.

Do not use steel wool for abrading when using Performance Series Waterborne Polyurethane Varnish. Since steel wool and water can cause rust, steel wool should be avoided around all water- based wood finishing products.

Protect surrounding items with drop cloths, masking tape, etc.

Natural wood will change color by itself and clear wood finishes will not keep this from occurring.

APPLICATION:

Be sure the temperature is above 50°F, and the humidity is below 85%.

Stir Polyurethane thoroughly and occasionally during use. Do not shake.

No reduction necessary.

Brush	Use a synthetic bristle brush. Brush out evenly, avoid unnecessary brushing into already coated areas. Avoid over-brushing which causes bubbling.
Pad Applicator/Cloth/Sponge	
Spray – Airless	
Pressure	2000 psi
Tip	.011" - .013"
HVLP	
Units	Graco 3800 or 4900
Gun	960
Tip	1.4- 1.6 mm

Rev: 7/17/209

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.



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After staining with Performance Series interior wood stain, wait 6 hours before applying Performance Series Waterborne Polyurethane Varnish. When using other stains, wait 24 hours.

Staining may raise the grain of the wood, developing a slight texture. After the first coat of varnish is applied, if sanding is needed to eliminate this texture, allow 1 hour drying before sanding. Very lightly scuff sand between coats using 180 or finer grit sandpaper.

For coating surfaces where the previous coat has dried greater than 8 hours, scuff sanding must be done prior to application of a fresh coat of Performance Series Waterborne Polyurethane Varnish.

Although not as effective as sandpaper, synthetic abrasive pads may be used for very light sanding.

Remove sanding dust with a vacuum or water-dampened cloth.

After the last coat of varnish is applied, allow 6 hours drying before using the varnished item.

CLEANUP INFORMATION:

Clean spills, spatters, hands and tools immediately after use with soap and warm water.

Adding a small amount of ammonia to the clean up water will make the cleaning easier.

After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow Manufacturer's safety recommendations when using solvents.

DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations.

CAUTIONS:

Do not use over sealers containing zinc stearate.

For interior use only.

Not for use on commercial floors.

Not for use on surfaces continuously wet or under water.

Do not use as a clear protection over solvent-based glazes or other finishes.

Before using carefully read CAUTIONS on label.

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