



Product Data Sheet
MINWAX® Performance Series
Fast-Dry Varnish

CHARACTERISTICS:

The **Performance Series** is designed for use on architectural wood in commercial, institutional, and residential new construction and also for refinishing. The **Performance Series** is a fast production system, a coat of stain and two finish coats can be completed in 8 hours. The Varnish can be recoated in 3 hours. **Performance Series Fast-Dry Oil Varnish** provides a rich, amber finish which seals and protects.

Color:	Clear Amber
Coverage:	350 – 400 sq. ft./gal @ 4 mils wet; 1.2 – 1.5 mils dry
Drying Time, @77°F, 50% RH	
Touch:	15 - 30 Minutes
Tack Free:	30 Minutes
Scuff Sand:	4 Hours
Aggressive Sanding:	Overnight
Recoat:	3 Hours
Dry to use/service:	4 – 6 Hours Drying and recoat times are temperature, humidity and film thickness dependent
Finish:	
Gloss	85 + units @ 60°
Satin	18-30 units @ 60°
Vehicle Type:	Linseed Vinyl Toluene Alkyd
Gloss:	
Flash Point:	56°F PMCC
VOC(less exempt solvents):	<550 g/L As per 40 CFR 59.406 and SOR/2009-264, s. 12
Volume Solids:	33 ± 2%
Weight Solids:	41 ± 2%
Weight per Gallon:	7.02 lb.
Satin:	
Flash Point:	72°F PMCC
VOC(less exempt solvents):	526 g/L 4.39 lbs./gal As per 40 CFR 59.406 and SOR/2009-264, s. 12
Volume Solids:	30 ± 2%
Weight Solids:	38 ± 2%
Weight per Gallon:	7.15 lb.

RECOMMENDED USE:

Interior Use Only

SPECIFICATION:

Suggested system:

Smoothness and Speed

1st: Performance Series stain (optional)

2nd: Performance Series Fast-Dry Sanding Sealer

3rd: Performance Series Fast-Dry Oil Varnish

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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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Durability and Speed

- 1st: Performance Series stain (optional)
- 2nd: Performance Series Fast-Dry Oil Varnish
- 3rd: Performance Series Fast-Dry Oil Varnish

Not for use on floors or other hard wear areas.

Shading with Performance Series Stain:

Base	oz./gal	Strength
Clear	0-2	Not controlled

Tinting with Blend-A-Color Toner:

Base	oz./gal	Strength
Clear	0-1	Not controlled

White or light colors:

When used over a white or very light stain color this product will impart a slight yellow cast to the final appearance.

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.

APPLICATION:

Tips: The information, data, and recommendations set forth in this Product Data Sheet are based upon test results believed to be reliable. However, due to the wide variety of substrates, substrate properties, surface preparation methods, equipment and tools, application methods, and environments, the customer should test the complete system for adhesion, compatibility and performance prior to full scale application.

Surface to be finished must be free from dirt or other foreign matter.

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

Be sure the temperature is above 50°F, and the humidity is below 85%.
Do not shake.



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Stir satin thoroughly before and occasionally during use.

No reduction necessary.

Brush	Use a natural bristle brush. Brush out evenly; avoid unnecessary brushing into already coated areas. Avoid over-brushing which causes bubbling.
Spray – Airless	
Pressure	2000 psi
Tip	.008" - .013"
Spray – Conventional	
Air Pressure	50 psi
Fluid Pressure	10-20 psi
Cap/Tip	704/FF
HVLP	
Unit	Graco 3800 or 4900
Gun	960
Tip	1.4 – 1.6 mm

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 4 hours drying before sanding. Very lightly scuff sand between coats using 180 or finer grit sandpaper.

Although not as effective as sandpaper, synthetic abrasive pads may be used for very light sanding. If aggressive sanding is required, allow the varnish to dry overnight.

Remove sanding dust with a vacuum or tack cloth.

After the last coat of varnish is applied, wait 4-6 hours before using the varnished item. Surfaces subjected to wear should be allowed to dry 12-16 hours before returning to use.

CLEANUP INFORMATION:

Clean spills, spatters and tools immediately after use with compliant cleanup solvent. Follow manufacturer's safety recommendations when using solvents.

CAUTIONS:

For interior use only.

Limited durability on surfaces exposed to direct sunlight, such as window sills.

Not for use on surfaces continuously wet or under water.

Not for use on floors or other hard wear areas.

Before using, carefully read **CAUTIONS** on label.