

PORTER®

P A I N T S

A PPG Brand



WOOD GUARDIAN™ Interior/Exterior Spar Varnish

PP320

WOOD GUARDIAN Interior/Exterior Spar Varnish No. PP320 is a premium interior/exterior gloss spar varnish formulated to meet the performance requirements of the residential and commercial markets. Recommended for interior and exterior wood surfaces, including wood siding, floors, lawn furniture, wall paneling, boats, doors, and wood cabinets.

USED FOR

- Woodwork, trim
- Wood floors
- Doors, cabinets
- Top side of boats
- Paneling, beams
- Lawn Furniture

FEATURES

- Even penetration
- High gloss finish
- Excellent flow & leveling
- Interior and exterior

RECOMMENDED SYSTEMS

WOOD GUARDIAN Interior/Exterior Spar Varnish No. PP320 is normally used as finish system over properly prepared wood. Typical Finish Systems with WOOD GUARDIAN Interior/Exterior Spar Varnish No. PP320 are:

STAIN (if required):

- WOOD GUARDIAN Interior Oil Wood Stain No. PP300-PP305

FINISH:

- WOOD GUARDIAN Interior/Exterior Spar Varnish No. PP320—one to three coats depending on severity of exposure.

LIMITATIONS

Apply when air, surface and product temperatures are above 50°F (10°C) and surface temperature is at least 5°F (3°C) above the dew point. Avoid finishing or applying product late in the day when dew and condensation are likely to form or if rain is threatening. Do not use on prewaxed wood flooring. Not recommended for use on textured or rough sawn siding. When used over exterior wood surfaces, clear coatings are not as durable as conventional house paints. Regular maintenance will provide continued protection to the structure and will minimize the task of coating renewal. Sanding between coats is not required if the time interval is 48 hours or less. If longer, sanding is required in order to obtain good intercoat adhesion.

TECHNICAL DATA

Product Type:	Phenolic-Tung Oil
Color:	PP320 Clear (not tintable)
Gloss, 60°:	High gloss (Typical range: 93 - 98)
Percent Solids:	
Weight:	53 ± 2%
Volume:	47 ± 2%
Weight/Gallon:	7.3 lb
Viscosity (Initial):	15 - 30 sec #4 Ford Cup
Thinner:	Do not thin.
Clean-up:	Porter Paint Thinner No. 5132.
Recommended Film Thickness:	
Wet:	3.2 mils
Dry:	1.5 mils
Recommended Spread Rate (Theoretical):	Up to 500 sq. ft./gal.
Dry time (70°F @ 50% R.H.):	
To Touch:	4 hours
To Handle:	4 hours
To Recoat:	16 - 48 hours
To Full Cure:	48 hours

(Expect longer dry times at lower temperatures and higher relative humidity.)

Flash Point: 74°F (24°C)

Flame Spread Rating: Class A (0-25)

(See Porter Technical Bulletin No. 9: Flame Spread Rating.)

Federal Specification Crossover: None

(See Porter Technical Bulletin No. 6: Federal Specification Performance Crossover.)

Note: This product is not formulated with lead or mercury containing materials.

REGULATORY DATA

VOC (theoretical):
As supplied (untinted): 3.43 lb/gal (412 g/l)

SURFACE PREPARATION

Paint only clean, dry, deglossed and profiled surfaces. Remove dirt, oils, grease, wax, release agents, sanding dust, paint remover, etc. with Soilax or TSP and water, Porter Paint Thinner No. 5132 or other appropriate cleaners, or by vacuuming as necessary. Remove mildew by washing with a commercial mildew remover such as X-14 Mildew Remover or a mix of 1 part chlorine bleach to 3 parts clean water (rinse thoroughly after 15 minutes).

NEW/BARE WOOD: Repair construction defects as necessary. Fill openings and nail holes with a suitable wood putty or filler. When filler is ready, sand all surfaces smooth and clean surfaces. For best results, wipe the sanded surfaces with a tack rag just prior to application of WOOD GUARDIAN Interior/Exterior Spar Varnish No. PP320.

RECOAT: (NOTE: Best service will be achieved by removing failing varnish systems completely, down to bare wood, then preparing as above.) For varnishes in good condition except for minor, random failed areas, remove any loose and failing coating by hand scraping or power tool cleaning, and lightly sand sound varnish to degloss and profile the surface. Fill holes and gouges with wood patch or filler as appropriate. Sand patched and bare wood areas smooth as necessary before staining (see above), if required.

INSTRUCTIONS FOR USE

Tinting: Do not tint.

Mixing: Stir thoroughly (do not shake) before application.

Thinning: Do not thin.

Clean-up: Clean tools with Porter Paint Thinner No. 5132 immediately after use.

Application:

<u>Conditions:</u>	<i>Temperature Range:</i>	50°F to 110°F (air, surface, paint) (Optimum paint temperature 65-85°F)
	<i>Dew Point:</i>	Surface temperature must be at least 5°F above the dew point.
	<i>Relative Humidity:</i>	Maximum 85%
<u>Equipment:</u>	<i>Brushes:</i>	Use a natural bristle varnish brush.
<u>Directions:</u>	<i>New Work:</i>	Finish with one or more coats of WOOD GUARDIAN Interior/Exterior Spar Varnish No. PP320 unthinned. Sand between coats as necessary per product limitations.
	<i>Repaint:</i>	Finish with one or more coats of WOOD GUARDIAN Interior/Exterior Spar Varnish No. PP320 unthinned. Sand between coats as necessary.

PRECAUTIONS

Prior to using this product, the user is specifically directed to obtain and read the current Material Safety Data Sheet and Label for this product. If, after reading these documents, you do not understand them, do not use this product. KEEP OUT OF REACH OF CHILDREN.

SHIPPING

Freight Classification: PAINT OR PAINT RELATED MATERIAL

Packaging: 6 Quarts per carton; 4 Gallons per carton

Shipping Weights: 2.1 lb/qt (13.4 lb/carton); 8.3 lb/gal (34.0 lb/carton)



The technical data furnished is true and accurate to the best of our knowledge. However, no guarantee of accuracy is given or implied. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of products. Technical data are theoretical values and subject to change without prior notice.

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