



PPG Architectural Coatings

WOOD GUARDIAN™ Interior/Exterior Spar Varnish

GENERAL DESCRIPTION

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.

RECOMMENDED USES

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

FEATURES / BENEFITS

- | | |
|-----------------------------|--------------------------|
| • Even penetration | Avoids non uniform sheen |
| • High gloss finish | Maximum shine |
| • Excellent flow & leveling | Reduces brush marks |
| • Interior and exterior | Versatile |

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.

TINTING AND BASE INFORMATION

Do not tint.

PP320 Clear (not tintable)

PRODUCT DATA

Product Type:	Phenolic-Tung Oil
VOC:	
As supplied (untinted):	3.43 lb/gal (412 g/l)
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.

Coverage does not include variation due to application methods, surface proposity, and/or mixing.

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.)***LIMITATIONS OF USE**

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.

GENERAL SURFACE PREPARATION

Paint only clean, dry, deglossed and profiled surfaces. Remove dirt, oils, grease, wax, release agents, sanding dust, paint remover, etc. with Dirtex 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).

WARNING! If you scrape, sand, or remove old paint, you may release lead dust or fumes. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH-approved respirator and prevent skin contact 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 USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

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.

DIRECTIONS FOR USE

Stir thoroughly before using and occasionally during use. Read all label and Material Safety Data Sheet (MSDS) information prior to use. MSDS are available through our website or by calling 1-800-441-9695. USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN.

Permissible temperatures during application:

Temperature Range: 50°F to 110°F (air, surface, paint)
(Optimum paint temperature 65-85°F)

Dew Point: Surface temperature must be at least 5°F above the dew point.

Relative Humidity: Maximum 85%

New Work: Finish with one or more coats of WOOD GUARDIAN Interior/Exterior Spar Varnish No. PP320 unthinned. Sand between coats as necessary per product limitations.

Repaint: Finish with one or more coats of WOOD GUARDIAN Interior/Exterior Spar Varnish No. PP320 unthinned. Sand between coats as necessary.

APPLICATION INFORMATION

Application Equipment: Apply with a high quality brush, roller, or by spray equipment.

Spray equipment must be handled with due care and in accordance with manufacturer's recommendation. High-pressure injection of coatings into the skin by airless equipment may cause serious injury.

Brush: Use a natural bristle varnish brush.

Thinning: Do not thin.

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

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)

PPGAF believes the technical data presented is currently accurate; however, no guarantee of accuracy, comprehensiveness, or performance is given or implied. Improvements in coatings technology may cause future technical data to vary from what is in this bulletin. For complete, up-to-date technical information, visit our web site or call 1-800-441-9695.



PPG/Porter Paints
400 South 13th Street
Louisville, KY 40203
www.porterpaints.com

Technical Services
1-800-332-6270

Architect/Specifier:
1-888-PPG-IDEA

PPG Industries, Inc.
One PPG Place
Pittsburgh, PA 15272
www.ppg.com



No. PP320
(Rev 10/06)