

PORTER®

P A I N T S

WOOD GUARDIAN™ WB Interior Acrylic Sanding Sealer w/Urethane

871

WOOD GUARDIAN WB Interior Acrylic Sanding Sealer w/Urethane No. 871 is an excellent, interior, fast drying, crystal clear, non-yellowing, waterborne, urethane fortified, acrylic sanding sealer for all types of properly prepared bare wood including trim, plywood, paneling and furniture. Use as an easy sanding primer/sealer coat for the WOOD GUARDIAN waterborne varnishes.

USED FOR

- Woodwork
- Doors
- Trim
- Paneling
- Beams
- Furniture

FEATURES

- Fast drying
- Allows one day wood finishing
- Easy sanding
- Crystal clear*
- Non-yellowing
- Excellent sealing properties
- Excellent uniformity

*Product appears milky white when applied, but dries crystal clear.

RECOMMENDED SYSTEMS

WOOD GUARDIAN WB Interior Acrylic Sanding Sealer w/Urethane No. 871 functions as an easy to sand sealer over bare wood. **Typical Finish System with WOOD GUARDIAN WB Interior Acrylic Sanding Sealer w/Urethane No. 871 is:**

STAIN (if required):

- WOOD GUARDIAN WB Interior Water Based Stain No. 842

SANDING SEALER:

- WOOD GUARDIAN WB Interior Acrylic Sanding Sealer w/Urethane No. 871

FINISH (choose one):

- WOOD GUARDIAN WB Interior Satin Acrylic Varnish w/Urethane No. 847
- WOOD GUARDIAN WB Interior Gloss Acrylic Varnish w/Urethane No. 848

LIMITATIONS

Do not use as a sealer under polyurethane varnishes. Do not use on floors or in exterior applications. Do not apply when air or surface temperature is below 50°F (2°C) or above 110°F (43°C). Surface temperature must be at least 5°F above dew point. For optimum application properties, bring material to 65-80°F (18-27°C). Use for service below 150°F. (NOTE: This product must be thoroughly stirred prior to, and occasionally during, application to avoid settling.)

TECHNICAL DATA

Product Type: Urethane modified acrylic

Color: 871 Clear (not tintable)

Gloss: Satin

Percent Solids:

Weight: 34 ± 2%

Volume: 31 ± 2%

Weight/Gallon: 8.7 lb

Viscosity (Initial): 60 - 65 Krebs Units

Thinner:

Brush/Roller: Thinning is not recommended. If thinning is necessary, thin very sparingly with clean water.

Spray: If necessary, thin up to 1 pint per gallon with clean water.

Clean-up: Warm, soapy water.

Recommended Spread Rate (Theoretical):

Smooth Surfaces: Up to 450 sq. ft./gal.

Rough Surfaces: 250-300 sq. ft./gal.

Dry time (70°F @ 50% R.H.):

To Touch: 30 minutes

To Sand: 1 hour

To Recoat: 2 hours

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

Flash Point: >200°F (>93°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): 1.75 lb/gal (210 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 WB Interior Acrylic Sanding Sealer w/Urethane No. 871. **STAINING:** If the wood is to be stained, stain is normally applied before applying WOOD GUARDIAN WB Interior Acrylic Sanding Sealer w/Urethane No. 871. However, with very porous wood such as oak, mahogany, ash or walnut, it may be desirable to apply a conditioner before staining to improve uniformity of the stain coat. WOOD GUARDIAN WB Interior Acrylic Sanding Sealer w/Urethane No. 871 can be used as a conditioner by thinning with clean water until trials on scrap wood indicate that the stain color and appearance will be most uniform. (NOTE: This is a trial and error process that will vary with different woods. A blend of 1 part WOOD GUARDIAN WB Interior Acrylic Sanding Sealer w/Urethane No. 871 to 3 or 4 parts water is usually a good starting point.)

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. Fill holes and gouges with wood patch or filler as appropriate. Sand patched and bare wood areas smooth as necessary before priming with WOOD GUARDIAN WB Interior Acrylic Sanding Sealer w/Urethane No. 871. When prime coat is ready, sand all areas to degloss and prepare to receive the selected Porter finish.

INSTRUCTIONS FOR USE

Tinting: Do not tint.

Mixing: Stir thoroughly before application, and occasionally during application to maintain uniformity of product.

Thinning: Thinning for brush or roller application is not required under normal environmental and application conditions. **Brush/Roller:** If necessary, thin very sparingly with clean water. **Spray:** If necessary, thin up to 1 pint per gallon with clean water.

Clean-up: Clean tools and spray equipment with warm, soapy water immediately after use.

Application:

Conditions:	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%
Equipment:	Brushes:	Use a polyester varnish brush.
	Rollers:	For volume work on smooth surfaces, use a PRO TIZ Foam Roller Cover.
	Airless Spray:	Minimum 28:1 Ratio Pump; .013"-.013" tip; 1800-2400 psi; 1/4" High Pressure material hose.
	Conventional Spray:	DeVilbiss MBC-510 gun; E tip; 704 Air Cap; 3/8" ID material hose; double regulated pressure tank with oil and moisture separator.
Directions:	New Work:	Apply a uniform seal coat of WOOD GUARDIAN WB Interior Acrylic Sanding Sealer w/Urethane No. 871. Finish with one or more coats of the selected Porter finish.
	Recoat:	Spot prime bare areas with a coat of WOOD GUARDIAN WB Interior Acrylic Sanding Sealer w/Urethane No. 871. Finish with one or more coats of the selected Porter finish.

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: 2.4 lb/qt (15.0 lb/carton); 9.4 lb/gal (38.5 lb/carton)



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