

WOODguard®

Oil-Based Wood Preservative

Product Data Sheet

PRODUCT DESCRIPTION AND BASIC USE:

- WOODguard® is a highly durable, oil-based, transparent, wood preservative stain designed for exterior log homes and siding.
- WOODguard oil formula provides long-term protection and water repellency by penetrating deeply into the wood.
- WOODguard contains two transparent ultra violet (UV) blocking pigments, which protect the finish from damaging ultra violet rays and improve water repellency.
- WOODguard forms a semi-transparent polymer binder, which holds the pigments to the wood and allows the logs to breathe.

FEATURES:

Exceptional water repellency on sloping and vertical surfaces. One coat coverage. (Apply to the point of refusal.) Controls mold and decay as well as wood cupping and warping. WOODguard is toxic to termites and anobiid powderpost beetles.

WOODguard is especially well suited for applications where environmental safety is needed.

WOODguard combines excellent mold and decay control with exceptional water repellency that withstands outdoor weathering for years, especially on old, cracked, weathered wood.

WOODguard utilizes an active ingredient known as Copper 8-Quinolinolate which will not photodegrade.

Highly UV-stable, WOODguard bonds intimately with wood and remains intact to

combat mold, decay, termites and anobiid powderpost beetles.

The U.S. Food and Drug Administration (FDA) has approved the use of the active ingredient in WOODguard for incidental food contact and for use as a preservative for wood that is used or intended for use in packaging, transporting or holding of raw agricultural products.

WOODguard exceeds National Wood Window and Door Manufacturers Association and Federal Spec. 572 Swellometer water repellency requirements. WOODguard will not chip, crack or peel. When applied as directed, it leaves a uniform, "streak-free" appearance. WOODguard protects and extends service life by inhibiting UV, mold, decay, cupping and warping. For long-term, continuing protection, apply a second coat of WOODguard approximately 2 to 4 years after the initial treatment. Subsequent coats should be applied as needed. (See Maintenance, page 3). WOODguard has a cumulative effect inside the wood with each application.

Clear WOODguard enriches and darkens wood's natural color, and it does contain colorless titanium dioxide (TiO₂) and "trans iron oxides" UV blockers to resist damaging ultra violet rays. Wood tones can be maintained with the addition of machine colorants (tint). See your dealer for custom tinting of WOODguard. Untinted WOODguard is a transparent brown/greenish liquid that dries clear to tan depending on the wood substrate and penetration. Woodguard Clear and Honey Base require the addition of pigments for maximum resistance to UV light.

Limitations: Horizontal and contact surfaces will require earlier retreating. It is recommended to not use tinted WOODguard for contact surfaces due to pigment rub-off. Latex coatings may not adhere to surfaces treated with WOODguard.

CUSTOM MACHINE TINTS:

Original Clear WOODguard, Honey Base or Honey 2000 may be used as a base for pigmentation with machine colorants. Our three standard machine colors (Honey, Cypress and Pecan) will appear similar, but somewhat “brighter” in the pre-tints than if mixed into clear WOODguard. The blue gray color of Bedrock Gray can only be achieved by mixing machine colorants into clear WOODguard: If a pre-tint is used, a brownish-gray color will result. Consult your paint store or dealer for assistance in custom tinting WOODguard. Always “box” colors when using buckets with pigmentation to assure uniformity of color.

FACTORY PRE-TINTS AVAILABLE:

WOODguard pre-tints offer the convenience of a pre-tinted color option. To ensure even distribution of pigment, stir frequently during use.

- Honey Base
- Tawny Cypress
- Honey 2000
- Dark Walnut
- Warm Pecan
- Iron Gray

Honey Base, Tawny Cypress and Warm Pecan pre-tints look similar to Honey, Cypress & Pecan machine tints, but are not exact matches. **See the Woodguard Preparation and Maintenance Guide** for photos of the above tints on Eastern White Pine.

TECHNICAL DATA:

Ingredients:

Copper 8-Quinolinolate	0.675%
Inert Ingredients	99.325%

Flash Point: Above 212°F (100°C)
Cleveland Open Cup; 215°F (102°C) Closed Cup

Viscosity: 80-100 cps at 70°F (21°C); 400 cps at 65°F (18°C); 1800 cps at 50°F (28°C). (Brookfield #2 at 20 rpm)

Pour Point: Approximately 32°F (0°C)

Volatility: Very low at room temperature. The active substance is non-volatile.

Density: 7.29 lbs./gal. (875 kg/m³ at 68°F – 20°C)

Corrosivity: Non-corrosive.

Stability: Stable at ambient temperatures.

Storage: At least two (2) years storage at normal temperatures (up to 80°F, 27°C).

EPA REG. NO.: 1022-514-71581

VOLATILE ORGANIC CONTENT:

MEETS ALL STATE VOC REQUIREMENTS. Volatile Organic Compounds <100 gm./liter.

SURFACE PREPARATION:

Before applying WOODguard, ensure that the surface is clean and the wood is dry to <18% moisture content. The preferred surface preparation is a solution of 4 oz. of Oxalic Acid Crystals in 1 gallon of water; a stiff-bristled nylon brush; a garden pump sprayer; and power washing equipment set below 500 psi. **See Preparation and Maintenance Guide** for detailed instructions. Do not apply if rain is expected within 36 hours. WOODguard is very

effective on Eastern White Pine, Southern Yellow Pine, Cedar, Cypress, and other porous wood surfaces.

If the wood has been treated with another product, it must be removed with a chemical wash.

Consult our WOODguard Expert Advisors, 1-800-359-6614, for the best method for your situation.

Mill glaze (often present on new wood) must be removed prior to WOODguard application for proper penetration. Consult your dealer for mill glaze removal products. Remember that WOODguard must penetrate to be effective and the moisture content of this wood must be less than 18%.

APPLICATION:

Surfaces to be coated should be clean and free of all loose debris. Apply when the air and surface temperature is 50°F/10°C to 95°F/35°C. At temperatures of 50-55°F, thin the Woodguard with turpentine or mineral spirits (0.5 quarts mineral spirits to 1 gallon Woodguard). If Woodguard is not diluted, a heavier coat of Woodguard will be applied than desired and a darker color will result. Cure time: approximately two weeks at 70°F (less if warmer).

Avoid contact with plants, shrubs and trees. Apply liberally to log homes and siding. Simply wet down the surface as follows:

- **Spray** – Low-pressure spray or “pump-up spray” equipment is suitable. Set nozzle to deliver a low-pressure, coarse spray. **Do not** use airless spray equipment.
- **Brush** – A regular paintbrush is fine for most surfaces. For uneven or rough surfaces, use a stiff-bristle brush.
- **Roller** – Use a long nap for rough surfaces.

Whichever application technique is used, **WOODguard should be applied to the point of refusal.**

Apply evenly; back brushing or back rolling to remove drips and sags as necessary. The more WOODguard that is absorbed, the longer the treatment will last.

Be aware that warm logs (wood) will absorb more WOODguard than will cold logs/wood. Old weathered wood will absorb more than new unseasoned wood. If possible, plan treatment accordingly for maximum results and longevity.

Retreat when the surface discolors and darkens when sprinkled with water OR when colors needs refreshing from years of sun exposure. The south and west sides may need treatment 1 to 2 years before the north and east sides.

CLEAN-UP:

WOODguard cleans up with mineral spirits or paint thinner.

MAINTENANCE:

(See Preparation and Application Guide for details). Before applying WOODguard, always clean the surface. The following retreatment schedule is suggested. WOODguard has a cumulative effect in wood with each application.

New Construction: 1 coat of approximately 150-300 sq. ft./gal. (Always apply to the point of refusal). Smooth out runs by “back brushing”. One and a half years after construction inspect your log home carefully for cracks (checks) in the logs that have formed due to drying since construction. Apply Woodguard liberally in these cracks. A plastic ketchup bottle that will squirt a moderate stream of Woodguard when squeezed works well. Brush the Woodguard into the cracks to assure a uniform coverage. If the cracks are very deep (>1

inch) a caulk should be used. Consult with our Woodguard expert advisors for further information at the following websites and numbers: www.loghelp.com, 1-800-359-6614.

Year 2 – 4 after construction: 1 coat of approximately 150 – 200 sq. ft./gal.

Year 4 – 5 after first retreatment: 1 coat of approximately 200 sq. ft./gal.

Every 5 – 8 years thereafter: 1 coat of approximately 200 sq. ft./gal.

Old Weathered Wood: 1 coat to the point of refusal. Approximately 75 – 100 sq. ft./gal.

Surfaces subjected to standing water, chlorine, sprinkler systems, concrete flashback, water runoff from roof valleys or other harsh conditions may require earlier retreating or spot treatments.

Once you are on the WOODguard system, you will no longer need to remove the finish before reapplication of future treatments. (It cannot be removed because it is in the wood!)

WOODguard is a registered pesticidal product and, under normal conditions, will control the growth of fungal organisms, termites and anobiid powderpost beetles on treated areas. WOODguard is only approved for aboveground use. WOODguard cannot prevent the re-occurrence of mold and mildew on extremely dirty surfaces or inadequately ventilated areas.

If the exposure conditions are going to be very hot and humid (tropical environment) or otherwise adverse, additional mildewcide can be added to provide extended mildew control.

When tinted to a semi-transparent stain, the color in WOODguard will weather and fade naturally, particularly on unshaded areas

with a southern exposure. The rate of color fade will depend on the degree of sunlight or exposure, the depth of color produced by the amount of pigment added, and the porosity of the wood when coated. WOODguard does contain colorless titanium dioxide (TiO₂) UV blockers and micronized trans iron oxides.

AVAILABILITY:

Containers: 1-gallon can and 5-gallon pail. Factory Pre-tints are available in 1-gallon and 5-gallon containers only.

Visit our website www.loghelp.com or call 800-359-6614.

WARRANTY AND LIMITATION OF DAMAGES:

Seller warrants to those persons lawfully acquiring title to this product that at the time of the first sale of this product by seller this product conformed to its chemical description and that it was reasonably fit for the purposes stated on the product label when used both in accordance with the Directions for Use appearing on the product label and under normal conditions of use. Buyers and users of this product assume the risk of all loss or damage from use or handling of this product that results from their failure to read and comply with the Directions for Use of this product, which appear on the product label. **SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OF SELLER IS AUTHORIZED TO DO SO.** Unless expressly prohibited by state law, the liability of seller for any breach of warranty shall not exceed the purchase price of the product as to which a claim is made.

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