

PRODUCT DATA SHEET

WOODGUARD®

Oil-Based Wood Preservative

PRODUCT DESCRIPTION AND BASIC USE

- A highly-durable, one-coat, oil-based, transparent, wood-preservative stain designed for log homes, siding, roofs and fencing.
- Oil formula provides long-term protection and water repellency by penetrating deeply into the wood
- Contains several transparent ultra-violet (UV) blocking pigments, which protect the finish from damaging ultra-violet rays and improve water repellency.
- Forms a semi-transparent polymer binder, which holds the pigments to the wood and allows the logs to breathe.
- Meets VOC standards in all 50 states.

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.
- Toxic to termites and anobiid powder post beetles.
- Woodguard utilizes an active ingredient known as copper 8-quinolinolate which will not photo degrade.
- Highly UV-stable, Woodguard® bonds intimately with wood and remains intact to combat mold, decay, termites, and anobiid powder post beetles.
- Very effective on Eastern White Pine, Southern Yellow Pine, Cedar, Cypress, and other porous wood surfaces.
- Exceeds National Wood Window and Door Manufacturers Association and Federal Spec. 572 Swellometer water repellency requirements.
- Will not chip, crack or peel. When applied as directed, it leaves a uniform, "streak-free" appearance.
- Protects and extends service life by inhibiting UV rays, mold, decay, insects, 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 Preparation & Maintenance Guide).
- Has a cumulative effect inside the wood with each application.

Clear Woodguard enriches and darkens wood's natural color. It contains colorless titanium dioxide (TiO₂), Zinc Oxide and "trans iron oxides" UV blockers to resist damaging ultra-violet rays. Custom colors can be achieved with the addition of machine colorants (tint). See your dealer for custom tinting of Woodguard. Un-tinted Woodguard is a transparent greenish liquid that dries clear, depending on the wood substrate. Woodguard Clear requires the addition of pigments for maximum resistance to UV light. 4 oz. per one gallon by weight of machine colorants need to be present to achieve maximum UV protection.

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. Film-forming coatings (particularly latex coatings) may not adhere to surfaces treated with Woodguard. We do not recommend coating Woodguard-treated surfaces with a film-forming product.

Woodguard® is a registered trademark of IBC Manufacturing Company.

COLOR

CUSTOM MACHINE TINTS: Original Clear Woodguard or Honey Base may be used as a base for pigmenting with machine colorants. Our standard colors (Honey 2000, Tawny Cypress, Warm Pecan, Dark Walnut and Iron Gray) are also available. Consult your paint store or dealer for assistance in custom tinting Woodguard.

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. Available from the factory in the following colors: Tawny Cypress, Honey 2000, Honey, Dark Walnut, Warm Pecan, and Iron Gray

Always “box” colors when using buckets with pigmentation to assure uniformity of color.

See the Woodguard Preparation and Maintenance Guide for photos of each factory color on Eastern White Pine.

AVAILABILITY

Woodguard is available in 1-gallon can and 5-gallon pail.

EXPERT ADVICE

Distributed By:

Schroeder Log Home Supply, Inc.

1-800-359-6614 www.loghelp.com

SURFACE PREPARATION OF UNFINISHED WOOD

Before applying Woodguard, ensure that the surface is clean and the wood is free of mill glaze and dry to <18% moisture content. If the wood has been treated with another product, it must be removed with a chemical wash.

For best results, the preferred method for surface preparation is as follows:

1. Spray the surface with clean water, thoroughly wetting the wood.
2. Generously apply a solution of TSP and an outdoor strength bleach using a garden pump-up sprayer (One cup of TSP dissolved in up to 3 gallons of warm water then add one quart of outdoor bleach).
3. While the surface is still wet, scrub with a stiff-bristled, nylon brush, and keep the surface moist for 15-20 minutes. (Do not let the solution dry on the wood). This will clean and open the Wood pores to really accept the Woodguard treatment.
4. Rinse the surface with clean water from the top down using a low-pressure (<500 PSI) high water volume sprayer positioned one foot from the surface.
5. After the excess water has dripped off the wood, measure the pH of the water droplets on the bottom log or board. If the pH is the same as the rinse water, you may go to the next area. If the pH is greater than that of the rinse water, additional rinsing is necessary. Proper rinsing is a very important step.
6. Let surface dry completely (moisture content below 18%) – usually after 3 days. Lightly sand with a fine-grit paper to remove “fuzz” formed from scrubbing action, and wipe off excess dust.

Also see the Preparation & Maintenance Guide

APPLICATION

Do not apply if rain is expected within 48 hours.

Do not apply Woodguard if the overnight low temperature is below 50°F/10°C or the daytime high temperature is above 95°F/35°C.

At temperatures between 55-60°F, thin the Woodguard with turpentine or mineral spirits (1 cup 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. Do not over-dilute, or reduced performance may result.

Avoid contact with plants, shrubs and trees.

Apply liberally to log homes, siding, roofs and fences. 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 paint brush 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** (until Woodguard starts to run). The more Woodguard that is absorbed, the longer the treatment will last. Expected coverage on new wood will be 150-300 sq. ft. / gal. Expect less coverage on old, weathered, uncoated wood (75-100 sq. ft. / gal.).

Apply evenly, from the top down, back brushing or back rolling to remove drips and sags as necessary to create a smooth, uniform coating. This may be a two-person job. You will not have lapping marks if you overlap adjoining freshly painted areas.

Clean tools with paint thinner or mineral spirits.

This treatment will give a long-lasting finish of 2-4 years, along with termite and decay protection.

Cure time: approximately two weeks at 75°F (less if warmer).

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.

CLEAN UP

Woodguard cleans up with mineral spirits or paint thinner.

MAINTENANCE

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. Brush the Woodguard into the cracks to assure a uniform coverage. If the cracks are very deep (>1 inch) a caulk should be used.

Woodguard should be reapplied 2 – 4 years after construction. Apply as needed in subsequent years. Retreat when the surface discolors and darkens when sprinkled with water OR when colors need refreshing from years of sun exposure. The south and west sides may need treatment before the north and east sides.

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!)

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.

See the Woodguard Preparation and Maintenance Guide or consult with our Woodguard expert advisors for further information.

HANDLING AND STORAGE

KEEP OUT OF REACH OF CHILDREN

Do not handle until all safety precautions have been read and understood. See product label and Safety Data Sheet for hazards and precautions.

Observe good personal hygiene practices. Change protective gloves/clothing when signs of contamination appear.

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Mix contents before using. Do not allow to freeze.

For product emergencies, call Chemtrec toll free at 1-800-424-9300.

DISPOSAL

Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations.

PESTICIDAL ACTIVITY

Woodguard is an EPA-registered pesticidal product, and under normal conditions, will control the growth of fungal organisms, termites and anobiid powder post beetles on treated areas. Woodguard is only approved for above-ground use. Woodguard cannot prevent the reoccurrence 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.

TECHNICAL DATA

		INGREDIENTS	
Flashpoint	>110°F (>230°F) Cleveland Closed Cup	Copper 8-	
Viscosity	80-100 cps at 70°F (21°C); (Brookfield #2 at 20 rpm)	Quinolinolate	0.675%
Pour Point	Approximately 32°F (0°C)	Inert Ingredients	99.325%
Volatility	Very low at room temperature		
Density	7.61 lbs/gal. (914 g/l at 68°F-20°C)		
Corrosivity	Non-corrosive		
Stability	Stable under normal handling and storage conditions		
Storage	At least two (2) years storage at normal temperatures (up to 80°F, 27°C)		
VOC	Meets all state VOC requirements. Volatile Organic Compounds 94-108 g/L		

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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