

UV GUARD® II EXTERIOR WOOD FINISH 2-COAT SYSTEM

UV GUARD II is an exterior acrylic wood finish that contains highly advanced UV absorbers and stabilizers. These unique and effective additives give greater protection and longevity to wood surfaces that are continuously exposed to the harmful and destructive ultraviolet rays of the sun.



Manufacturing Facility:

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USES

UV GUARD II was developed for use as an exterior wood finish for log homes and quality wood siding. It is also very effective when used as a coating on fences, shingles and other vertical surfaces. **UV GUARD II is also safe to use on interior wood surfaces** and is especially good for areas that receive extra amounts of sunlight. **Do not use on high density, high oil content or exotic woods.**

Note: We do not recommend that clear UV GUARD II be used as the only exterior coating. While UV GUARD II will add longevity and protection to exterior wood surfaces, pigmented exterior finishes will provide even greater protection. In addition to the ultraviolet absorbers and stabilizers, the pigment particles themselves help to block the rays of the sun. Clear UV GUARD II should only be applied as the "finish coat" after one (1) coat of a stain color has been applied, or as a "maintenance coat" to brighten and reseal a previous finish.

Stringent testing during which UV GUARD II was subjected to high levels of sunlight, moisture and temperature extremes proved that UV GUARD II lasted longer and provided greater protection than major competitors.

ADVANTAGES

- **UV Protection.** Resists discoloration, cracking and splitting caused by the sun's harmful rays.
- **Moisture Protection.** Penetrates and seals the wood surface. Resists warping, swelling and cracking caused by moisture.
- **Mold and Mildew Protection.** Contains an effective and environmentally safe biocide that resists decay and deterioration caused by mold and mildew.
- **Easily Applied** by brush, airless or pump style garden sprayer.
- **Low Flammability** in the liquid state and will also increase the kindling temperature/time of wood when dry.
- **Safe For Interior Use**
- **Provides Excellent Adhesive Surface** for chinking and virtually eliminates debonding problems that are likely to occur.

TECHNICAL INFORMATION

Available Colors

UV GUARD II is available in Cedartone, Slate Gray, Golden Wheat, Santa Fe Sun, Teakwood, Rustic Timber and Clear. Custom colors are also available.

Physical Properties

| | |
|-------------|-----------------------------|
| Viscosity | 175-200 cps |
| Density | 8.5 +/- 0.1 lbs./gal. |
| pH | 8.5 +/- 0.5 |
| VOC | 46 g/l |
| % Solids | 25% |
| Odor | Odorless when dry |
| Toxicity | Non-toxic/safe for interior |
| Shelf Life | 2 years |
| Stability | Salt spray stable |
| Test Method | ASTM G-53 |

Coverage

Hand-Peeled Logs and Planed Lumber:
200-300 sq. ft./gallon on the first coat, and 400-500 sq. ft./gallon on second coat.

Milled Logs and Rough Sawn Lumber:
150-250 sq. ft./gallon on the first coat, and 300-400 sq. ft./gallon on second coat.

NOTE: Coverage will vary depending on type and texture of wood surface.

Drying Time

UV GUARD II will be dry to the touch in 30 minutes to 1 hour and completely dry in 24 to 48 hours depending on temperature and relative humidity.

Packaging

UV GUARD II is available in 5 gallon and 1 gallon pails.

Storage

Store UV GUARD II in a tightly sealed container in moderate temperatures (between 40° F. and 90° F.) **DO NOT FREEZE.**

Clean Up

Clean up immediately with soap and water. Dried brushes will require cleaning with lacquer thinner. Spray equipment should be cleaned immediately per the equipment manufacturer's recommendations for latex finishes. Dispose of excess materials and UV GUARD II by following all local, state and federal environmental disposal regulations.

APPLICATION GUIDELINES

READ AND FOLLOW ALL LABEL INSTRUCTIONS PRIOR TO APPLICATION OF THIS PRODUCT.

Color Check

Each wood species and even wood of the same species accepts stain differently. Apply the stain to a sample piece of log or wood to be used. If possible, apply the test stain in the same manner that it will be applied on the wood surface. When the desired color is reached, add a coat of Clear UV GUARD II. Heat the sample with a hair dryer to accelerate

the drying and full color development. Standard shades of stains may also be diluted up to 50% with UV GUARD II tint base for more transparency or lighter color.

NOTE: Never apply stains without first doing brush out samples.

Surface Condition

Make sure the moisture content $\frac{1}{2}$ " to 1" below the surface is 18% or less. It is recommended that the moisture content is verified with a penetrating lignometer. With a moisture content of 18% or less, there is less chance of mold or microbial growth in the wood and better penetration into the wood pores.

Surface Preparation New Construction

On new construction, we recommend that the logs or other wood surface be thoroughly cleaned with light sanding or with any commercial non acid cleaner, being sure to follow all manufacturer's instructions for application and safety. If chemically cleaned, pressure wash the surface thoroughly with water to remove all traces of cleaning solution. Test the wood surfaces with Litmus paper to verify the pH neutral surface. (pH should be between 6 and 8). Allow wood surfaces to dry completely before application of UV GUARD II.

Maintenance/Restoration

On previously coated surfaces, the wood surfaces must be thoroughly cleaned prior to the application of UV GUARD II. This can be accomplished by sanding, pressure washing, media blasting or chemical stripping.

NOTE: Weatherall Company, Inc. provides an excellent EPA registered mildewcide that may be added directly to the pail (Stay-Clean I/E™), and it is recommended for use in areas of high humidity where the wood is more susceptible to mildew. It is also recommended for fences, railings, etc.

To provide added protection to logs and/or other wood surfaces, caulk all cracks and checks with UV GUARD® Premium Caulk after the initial application of UV GUARD II.

Mill Glaze

Mill glaze, sometimes called planers glaze, which can be identified by a shiny appearance and/or cutter marks on the wood surface, is the cause of coating failure due to the lack of penetration of UV Guard II through the compressed/glazed surface fiber. All mill glaze must be removed by lightly sanding the affected surface prior to application of the UV Guard II.

Temperature

Prior to application of UV GUARD II, check the temperature of the wood surface and the projected ambient temperatures. UV GUARD II should not be applied to wet or frozen wood, in subfreezing temperatures or when subfreezing temperatures are expected within 24 hours of application. We do not recommend application in temperatures below 40° F., or in continuing wet or humid weather. UV GUARD II applied during colder, humid weather will

take longer to dry. If rain is imminent, do not apply UV GUARD II.

After heavy rain, wood surfaces should be given several days to dry before application. If weather is hot and sunny, it is best to work around the house so you are always in the shade. Do not apply UV GUARD II to hot surfaces. **Do not allow UV GUARD II to freeze.**

Dispersion

Thoroughly stir the contents of the pail to redisperse the pigments evenly. Very slight color difference may occur from batch to batch, as well as when the finish is not thoroughly stirred. To avoid any variations, a good technique is to blend all containers with different batch numbers, then stir thoroughly prior to use. Continue to stir periodically during application. If greater transparency is desired, UV GUARD II may be diluted up to 50% with UV GUARD II tint base. **NEVER USE WATER TO DILUTE UV GUARD II!**

UV GUARD II can be easily applied by brush, airless sprayer or pump style garden sprayer. If spray application is used, back brushing is mandatory.

Hand-Peeled Logs and Planed Lumber

First Coat – The first coat should be a heavy saturation color coat. When using a pump or airless sprayer, work small areas thoroughly back brushing the work and maintaining a wet edge to prevent overlap marks. Check frequently for runs, especially from checks and split grain and back brush as required. If using a brush, try to work one continuous log or board length at a time, back brushing runs before they drain down to a lower log or board.
Second Coat – A clear top coat or an additional color coat, if desired. The second coat can be applied wet-on-wet or wet-on-dry. Apply the second coat generously and back brush any runs as required.

NOTE: Some milled and all rough sawn lumber have more porous surfaces than planed logs or lumber and will absorb more stain during the first coat and some second coat applications. This will have a significant effect on the resulting finish color; therefore, it is imperative that a color brush out be performed on a sample of the wood to be stained.

Log Ends

Apply one coat of pigmented product and one coat of clear, the same as on the log surfaces. If an additional coat is required to seal the log ends, a 50/50 mix of UV Guard II pigmented stain and UV Guard II tint base may be applied before the clear coat. This helps alleviate excessive darkening of the log ends due to a high concentration of full strength pigmented stain applied in multiple coats. The use of UV Guard II tint base is preferred over Clear because of the higher level of UV stabilizers in the UV Guard II tint base. As stated in the application instructions, try to avoid application in rainy weather or when rain is

imminent. High humidity or rainy conditions can cause the blushing effect and leave the log ends with a cloudy appearance that could reoccur several times over until the product is completely cured. This could be particularly evident in a heavy saturation coating of the log ends where a greater volume of product may be used.

AVAILABILITY/SUPPORT

Weatherall products are available from the manufacturing plant in Charlestown, Indiana, distribution centers, as well as a national network of distributors. Weatherall Company will gladly provide technical support upon request. Visit our website to locate the distributor nearest you.

LIMITED WARRANTY

Weatherall Company, Inc. guarantees the contents of the container only. If the product is proved to be defective, replacement material will be furnished free of charge, FOB the nearest Weatherall distribution point, or the material cost will be refunded at Weatherall's option.

Due to the fact that Weatherall Company, Inc. has no control over the surface preparation, application methods, weather or wood characteristics, no guarantee as to the results is offered, expressed or implied.

Labor cost, freight cost and loss of time or benefits are specifically not covered by this warranty. Responsibility for claims of any kind is strictly limited to the purchase price of the material.

Neither Weatherall Company, Inc., nor the seller makes any representations or warranty, expressed or implied, concerning the use of this material other than that stated herein and on the product label. Neither shall be held responsible in any personal injury, property damage or other loss resulting from improper handling, storage or use of this material. The buyer accepts and uses this material under these conditions. The user is solely responsible to determine the suitability of this product for its intended use prior to application. User assumes all risk and liability in connection therewith.

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