



PRODUCT DATA SHEET

TWP 300 UV SERIES TOTAL WOOD PROTECTANT

DESCRIPTION

TWP® 300UV Series is a high solids, high performance, oil based exterior wood finish. Its unique formulation enhances the natural beauty and warmth of wood. Special UV absorbing pigments prevent the premature graying, darkening or fading of wood, while carefully selected mildewcides inhibit the growth of mold and mildew on the surface of the stain. It can be applied to obtain a low gloss stained effect or a high build deep gloss finish. **For above ground use only. For exterior use only.**

PRODUCT NUMBERS/COLORS

For product numbers and color selection, please see the second page of this document.

COATING PROPERTIES

Viscosity: 10-20" #3 Zahn
Weight Solids: 72.7 - 77.4%
Volume Solids: 68.1 - 72.0%
Weight/Gallon: 7.6 - 8.2 lbs./gal
Coverage: 250-600 sq. ft. per gallon depending on wood porosity and whether stained effect or high gloss finish is desired.

SPECIFICATIONS&INFORMATION

Where to Use: For exterior wood surfaces including patio furniture, playground equipment, picnic tables, benches, gazebos, shutters, trim, entry doors, garage doors, spas, benches and railings.

PRODUCT ADVANTAGES

- High Performance Formulation
- Oil Based
- Can Be Used To Create A Deep Gloss Or Natural Stained Finish
- Easy Application
- Mold And Mildew Resistant Film
- Prevents Premature UV Damage
- Repels Water

VOC (reg./coating): < 250 grams per liter

Dry Times:
Air Dry: Dry time can vary depending on the amount of material applied, wood species, and weather conditions, but is typically 24-48 hours. Over application will significantly slow the dry rate. Multiple thin coats are required rather than one heavy coat. Ideal conditions are 75° F at 50% humidity. Dry time will be faster at higher temperatures and lower humidity and equally slower at colder temperatures and higher humidity.

Shelf Life: 24 months @77° F if unopened and stored in a cool dry area. Always rotate stock.

Storage and Disposal: Store in dry place with temperatures above 50°F. Close container after each use. **Rags or other items wet with TWP may spontaneously ignite if improperly stored or discarded!!** Immediately after use, place rags and items wet with TWP in a sealed, water-filled metal container. Dispose of in accordance with Federal, State, and Local regulations.

Clean up:
 Use mineral spirits for cleaning all equipment. Clean up spills before TWP® dries. On glass use sudsy ammonia cleaner. Dispose of in accordance with federal, state, and local regulations regarding pollution. Do not allow TWP® to dry on any surface you do not want coated.

April, 2024

The following supersedes any provision contained in the forms, letters and papers of your company. This product is designed and intended for professional application only. All products should be thoroughly tested under application conditions prior to use. The information contained herein is believed to be reliable. **HOWEVER, GEMINI MAKES NO WARRANTY CONCERNING THIS PRODUCT, WHETHER EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** UNDER NO CIRCUMSTANCES SHALL GEMINI BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR ANY OTHER DAMAGES FROM ALLEGED NEGLIGENCE, BREACH OF WARRANTY, STRICT LIABILITY, OR ANY OTHER LEGAL THEORY, ARISING OUT OF THE USE OR HANDLING OF THIS PRODUCT. THE SOLE REMEDY OF THE BUYER AND THE SOLE LIABILITY OF GEMINI FOR ANY CLAIMS SHALL BE LIMITED TO THE BUYER'S PURCHASE PRICE OF THE PRODUCT WHICH IS THE SUBJECT OF THE CLAIM OR THE AMOUNT ACTUALLY PAID FOR SUCH PRODUCT, WHICHEVER IS LESS. TECHNICAL ADVICE FURNISHED BY GEMINI SHALL NOT CONSTITUTE AN EXPRESS WARRANTY, WHICH IS EXPRESSLY DISCLAIMED. ALL TECHNICAL ADVICE GIVEN IS ACCEPTED AT THE RISK OF THE BUYER. **CAUTION: DANGER! FLAMMABLE! VAPORS MAY CAUSE FLASH FIRE. VAPOR HARMFUL. HARMFUL OR FATAL IF SWALLOWED. INJURIOUS TO EYES. KEEP OUT OF THE REACH OF CHILDREN!** BEFORE using this product it is essential that the "Material Safety Data Sheet" describing the product as well as the "Product Label" be reviewed. If your company does not have such information or has any questions, contact the manufacturer.

PRODUCT DATA SHEET TWP 300 UV SERIES CONTINUED



Substrate preparation and application:

For Natural Stained Effect: New wood should be allowed 4-12 months of natural weathering before finish coat application. Weathered wood should be cleaned with a solution of 1 part household bleach and 1 part water by volume.* The bleached surface should be thoroughly rinsed with water, lightly power washed and then allowed to dry 48 hours in good drying conditions before finish coat application. If wood was previously finished, then the old coating needs to be removed and the surface should be cleaned and dried before finishing. Depending on the condition of the old finish, it can be removed by power washing, by stripping or by sanding. If sanded, weather and clean as described above. To stain, apply as much material as the wood can absorb without leaving a glossy film. Typically, one coat is sufficient, but more absorbent wood may require multiple wet on wet coats. Remove any material that remains on the surface 20-30 minutes after the last coat is applied to insure a uniform low gloss stained appearance. Typically applied at 500-600 square feet per gallon per coat, but the rate depends on wood porosity.

For deep gloss finish: New, old and previously sealed wood should be cleaned with a solution of 1 part household bleach to 1 part water by volume.* The bleached surface should be thoroughly rinsed with water and allowed to dry. All surfaces should then be sanded with 60-120 grit paper. Old finishes can also be removed by power washing or stripping. After the finish is removed, sand as above. All sanding dust should be removed and the surface should be allowed to dry 48 hours in good drying conditions before finish coat application. Apply the first coat of material at 500-600 square feet per gallon. Allow finish to dry 24 hours or until firm. Differences in absorption will likely yield areas of low and high gloss. Apply a second coat at 800-1000 square feet per gallon. Two coats are typically needed to achieve a uniform glossy appearance, but a third coat may be needed on extremely porous wood. If a third coat is needed, apply 24 hours after the second or when the second coat is firm. Periodic maintenance coats should be applied to extend the life of the coating.

*Weaker bleach solutions may be sufficient to clean lightly soiled wood surfaces. Do not dilute more than 4 parts water to 1 part bleach. Restore A Deck is also an excellent choice for cleaning and is gentler on wood than bleach.



Material Preparation: No reduction necessary. DO NOT THIN TWP®. Mix thoroughly before using and occasionally during use. 300 Clear may be intermixed with the 300 colors. TWP® 301, 303, 304, and 315 may be intermixed to create custom colors. Due to variation of base wood color, finish color may vary. Always test color prior to application for desired look.

TWP® can be applied using a brush, roller, airless sprayer, wiping cloth or applicator pad.

To Spray: Use minimum amount of pressure necessary for proper spray pattern to reduce overspray. Block over spray by using a small cardboard shield or professional spray shield. Wood porosity can vary from board to board. Back brushing with a thick, natural bristle brush will help achieve color uniformity. Avoid over-application.

Brush, Roller, or Pad: Apply a uniform coat maintaining a wet edge. For best results finish 2 or 3 continuous board lengths, thereby avoiding lapping in the middle of boards. If you stop in the middle of your project be sure and finish the last board from end-to-end to avoid lap marks. If applied with a roller or pad, back brushing with a thick, natural bristle brush will help achieve color uniformity.

It may be necessary to apply TWP® late in the afternoon if heavy dew occurred the previous night. In extremely hot, sunny weather it is preferable to work in the early morning or late evening to minimize drying too quickly. Do not apply below 50° F or if rain is anticipated within 48 hours.

**TWP300 CLEAR
TWP301 CEDARTONE**

**TWP303 DARK OAK
TWP304 BLACK WALNUT**

TWP315 LIGHT CEDAR

TWP300 Clear does not contain any UV screening pigments and will allow wood to gray naturally.



Precautions:

Before using any chemical around plants or vegetation, water plants and surrounding ground thoroughly so TWP® absorption is less likely. Avoid getting water on the wood surfaces to be treated. Use plastic to cover any plants, shrubs or grass. Remove coverings quickly to avoid damage. TWP® will stain other substrates, therefore on concrete, painted surfaces, siding or brick, tape off areas with plastic before application. TWP® is not intended for the control of termites or other wood destroying insects. TWP® should not be tinted nor intended for below ground use. BEFORE USING THIS PRODUCT, it is essential that you consult the Safety Data Sheet (SDS) describing the product as well as known possible hazards. If you do not have one, ask your sales representative to provide one for you.