



PRODUCT DATA SHEET

TWP® Total Wood Preservative

TWP 1500	Clear	TWP 1503	Dark Oak	TWP 1515	Honeytone
TWP 1501	Cedartone	TWP 1504	Black Walnut	TWP 1516	Rustic Oak
TWP 1502	Redwood	TWP 1511	California Redwood	TWP 1520	Pecan
				TWP 1530	Natural

DESCRIPTION	CHARACTERISTICS	SPECIFICATIONS
<p>TWP is an EPA registered wood preservative made with a unique combination of chemicals that enhance the natural beauty and warmth of wood. TWP is designed to penetrate rather than build a film, and protects exterior wood from premature loss of color, rot, surface mildew, and water absorption. TWP is not intended for the control of termites or other wood destroying insects. EPA# 51578-1</p> <p>Directions for use:</p> <p>Mix thoroughly before and occasionally during use.</p> <p>TWP is a penetrating system and is not designed to build a film. Only apply TWP to properly prepared, clean, absorbent, bare wood. TWP should dry uniformly flat with no glossy areas. Only apply TWP when the temperature is 50-90° F. Do not apply TWP when rain is expected within 48 hours of application. Mix TWP thoroughly before and occasionally during use. On horizontal surfaces, apply an initial coat at 300-400 sq. ft/gal. Allow material to penetrate 15-30 minutes and then apply a second coat at 400-500 sq. ft/gal. Typically a two coat application using this procedure is adequate, but wood porosity may dictate the use of more or less TWP. Remove any liquid material that remains on the wood surface 30-60 minutes after the application of the second coat with a brush, dry roller, applicator pad or dry cloth. Excessive TWP that does not penetrate and is not removed from the surface will leave a shiny oily film, extend dry time and cause premature failure. One coat application may be adequate for vertical surfaces when finish is applied at saturation rate, as indicated when material starts to run down surface.</p>	<p>Viscosity: 15-25 #2 Zahn</p> <p>Weight Solids: 60-63%</p> <p>Volume Solids: 56-59%</p> <p>Weight/Gallon: 7.2-7.6 lbs/gal</p> <p>VOC (Reg/coating): 350 g/l Max</p> <p>Dry Time: 24-72 hours depending on drying conditions and assuming proper application</p> <p>Product Uses: Perfect for wooden decks, siding, fences, facia, shutters and log homes</p> <p>Cleanup: Use Mineral Spirits for equipment clean up.</p> <p>Rag Disposal: Lay used rags in a single layer outdoors and allow to air dry for 24 hours. To minimize the chance of spontaneous combustion typical of natural drying oils, place rags in a water filled metal container for disposal.</p> <p>Warning: This product is toxic to fish. Do not contaminate water by cleaning of equipment or disposal of wastes.</p> <p>Thinning: No thinning required.</p> <p>Method of Application: Use brush, applicator pad, pump up sprayer or airless sprayer. If spray applied, back brush for best results.</p> <p><i>TWP® is a registered trademark of Amteco, Inc.</i></p>	<p>New ACQ Pressure-Treated Wood: Remove surface wax by using Gemini's Safe-Strip according to label directions, repeating the process until surface no longer beads water. Apply Gemini's Wood Brightener Plus as per label instructions, rinse well with pressure washer and allow drying for 48-72 hours. Always test wood for proper stain penetration.</p> <p>SURFACE PREPARATION:NEW WOOD: New wood should be allowed 4 to 12 months of natural weathering before finish coat application. After aging, wood should be cleaned with a solution of 1 part household bleach to 1 part water. The bleached surface should be thoroughly rinsed with water, power washed and then allowed to dry a minimum of 48 hours in good drying conditions before finish coat application.</p> <p>OLD WOOD: Unprotected old wood is typically various shades of gray to black due to mildew and ultraviolet light attack on the wood surface. Old wood should be cleaned with a solution of 1 part household bleach to 1 part water. The bleached surface should be thoroughly rinsed with water, power washed and then allowed to dry a minimum of 48 hours in good drying conditions before finish coat application.</p> <p>SEALED WOOD: Any previously applied finish must be removed before TWP can be applied. The surface should be cleaned with a solution of 1 part household bleach to 1 part water and should then be thoroughly rinsed with water. Finish can be removed with an appropriate stripper following label instructions, by sanding with 60-80 grit sand paper, or by power washing. If sanded, the surface should be thoroughly rinsed with water 2-3 different days after sanding. Allow wood to dry a minimum of 48 hours in good drying conditions before finish coat application.</p>

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CAUTION: DANGER! COMBUSTIBLE! 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.

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Old Wood: Use Gemini Wood Brightener Plus or Gemini Wood Brightener For Cedar and Redwood as per label instructions. Rinse well with pressure washer and allow drying for 48 hours minimum. Always test wood for proper stain penetration.

Roofs: TWP® 1500 series may be used on roofs, however, it is recommended that TWP® 200 Shake & Shingle series be applied on roofs. Before applying, new roofing should be allowed to age to a uniform ash blond, which usually takes 6-12 months, depending on climate. Old roofs should be cleaned, brightened if necessary and allowed to dry 48 hours or more before application. Always test wood for proper stain penetration.

Previously Stained Wood: Apply Safe-Strip per label instructions to remove most oil-based and water-based semi-transparent stains and sealers, followed by appropriate brightener. If problem areas persist, repeat procedure.

Siding, Fences, & Log Homes: For best results coat edges and back side prior to installation to reduce buckling and delamination due to water absorption. Follow procedures for New Wood. All nails and screws should be stainless steel, high tensile strength aluminum, double hot dipped, or zinc-coated nails. Soak areas around nail heads with TWP® and caulk all joints between siding and other materials with polyurethane caulking after applying TWP® to these joints. Saturate bottom edges of siding, top and bottom edges of each fence board, butt ends of logs, eave boards, spindles, and decking boards to limit moisture wicking into wood fibers.

Decks: The service life of a deck is affected by the amount of foot traffic, dirt, pollution, trees and other elements that collect on the flat surfaces. These contaminants get walked on, baked and frozen into the pores of the wood. Many times when the wood may look lighter it actually only needs cleaning. Always clean your deck first then make a determination if a maintenance coat is needed. Gemini Deck Maintain is a cleaner that is designed to extend the life of sealers, paints and stains by removing dust, dirt and grime while helping them maintain their beauty and extending the life of your investment.

Chemical and Rust Stains: If wood has been improperly installed with iron nails that are causing rust staining, TWP® will not eliminate the re-occurrence of rust staining. Rust stain removal is aided by applying Wood Brightener for Cedar & Redwood undiluted to affected areas. Use a synthetic bristled brush, NOT metal bristles to apply solution, scrub, allow to dry overnight, rinse thoroughly and neutralize.

Material Preparation: No reduction necessary. DO NOT THIN TWP®. Mix thoroughly before using and occasionally during use. 500 Clear may be intermixed with other TWP® colors in same series. TWP® 1501, 1502, 1503, 1511, 1515, and 1516 may be intermixed for custom color. Due to variation of base wood color, finish color may vary. Always test color prior to application for desired look.

Application: Allow 48 hours after last exposure to moisture for substrate to thoroughly dry. Watch local weather forecasts BEFORE you apply TWP® to assure no rain or cold temperatures 2-3 days after application. TWP® can be applied using a brush, roller or sprayer. Brushing or spray immediately followed by brushing provides best results. Use minimum amount of pressure for proper spray pattern to reduce misting and wasting of product. Select correct spray tip adjusting sprayer to avoid uneven application and sags in material. Use a stain brush to pick up accidental sags or runs. Check the spray pattern by spraying against scrap plywood or wallboard. Don't start spraying until you're comfortable with spray pattern results. Avoid over spray by using a small cardboard or professional spray shield. Remove over spray immediately with mineral spirits. Tape off driveways, brick, sidewalks, painted surfaces, vinyl siding or any type of masonry with plastic as TWP® will stain other substrates. Back brushing with a thick, natural bristle brush will help achieve color uniformity, lessening run off and waste of product. Do not apply this product in a way that will contact any person or pet with wet stain. Do not apply when threat of rain is imminent, when windy conditions or cold temperatures exist for the day of and day after applying. Follow first saturation coat with moderate to thin second coat to prevent excessive surface build. **TWP® must not be allowed to puddle on surface as excess film build will appear shiny and remain wet.** A second coat, if desired, must be applied wet on wet, immediately after the first coat. Remove or spread out excess material not absorbed in 30 minutes with brush or applicator pad. Apply only one coat to new horizontal wood. It may be necessary to apply TWP® late in the afternoon if heavy dew has 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.

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 Material Safety Data Sheet (MSDS) describing the product as well as known possible hazards. If you do not have one, ask your sales representative to provide one for you.

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.

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