



PRODUCT DATA SHEET

TWP® Total Wood Preservative

TWP®500	Clear	TWP®503	Dark Oak	TWP®516	Rustic Oak
TWP®501	Cedartone	TWP®511	California Redwood		
TWP®502	Redwood	TWP®515	Light Cedar		

DESCRIPTION	CHARACTERISTICS	SPECIFICATIONS
<p>TWP® is a unique combination of chemicals that preserves and enhances the natural warmth, beauty and integrity of new and old wood for exterior wood surfaces.</p> <p>TWP® penetrates deeply into the wood without excessive surface film build, highlighting existing grain patterns with amazing clarity and warmth.</p> <p>The 500 Clear as a sole finish coat will protect wood from deterioration and will allow the surface to gray naturally. If you want your wood to maintain its new appearance, you must use one of the colors. Always check color prior to application for desired look.</p> <p>Product Advantages:</p> <ul style="list-style-type: none"> ➤ Professional Choice for Exterior Wood Surfaces ➤ Repels Water Longer ➤ Easy to Apply and Maintain ➤ EPA Registered Wood Preservative ➤ Protects Against Wood Rot, Water, Sunlight and Mildew ➤ At Spray Viscosity ➤ Extremely Lightfast ➤ When Applied Properly TWP® Will not Crack, Peel or Blister. ➤ Stops U.V. Damage ➤ HAP's & VOC Compliant 	<p>Viscosity: 16-18 #2 Zahn</p> <p>Weight Solids: 62-65%</p> <p>Volume Solids: 58-61%</p> <p>Weight/Gallon: 7.0-8.0 lbs/gal</p> <p>VOC (Reg/coating): 350 g/l Max</p> <p>VOC (Act./material): 2.49-2.66 lb/gal or 299-320 g/l</p> <p>HAPs: .0055-.0058</p> <p>Coverage: 100-300 sq. ft. per gallon. Rate will vary depending upon age and porosity of wood. TWP® is designed for application on clean wood surfaces. Applying this product over a sealed surface may result in a glossy or oily residue. TWP® will function best if old finish is removed.</p> <p>Dry Time: TWP®500 series may require up to 48 hours dry time depending on temperature and humidity and may track if walked on before dry. <i>(Note: relative humidity and temperature will effect dry time)</i></p> <p>Storage and Disposal: Store in dry place with temperatures above 50°F. Store in sealed metal containers. Close container after each use. Do not contaminate water, food, or feed by storage and disposal. Do not reuse container. Securely wrap original container in several layers of newspaper and discard in trash. Wastes resulting from use of product may be disposed of on site or at an approved waste disposal facility. For container disposal triple rinse then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.</p> <p><i>TWP® is a registered trademark of Amteco, Inc.</i></p>	<p>Shelf Life: Approximately 18 months if container is tightly sealed and stored in an area where temperatures do not drop below 50° F.</p> <p>Where to Use: Can be used on rough sawn cedar, wood siding, log homes, shutters, fences, porches, decking, wood shingles, shakes, fascia, wood planters, landscaping timbers and other absorbent exterior wood you want to preserve. For above ground application only. For exterior use only. Because horizontal surfaces are subject to harsher conditions (foot traffic, standing water, deck furniture, spills, etc.) than vertical surfaces, we cannot guarantee color retention. Apply color maintenance coats as needed.</p> <p>New Wood: All new wood should be thoroughly wetted by rain or tap water 4 or more times to open wood grain and remove excess surface tannins, or allow weathering 3-6 months.</p> <p>Imported Hardwoods: TWP®500 series not recommended at this time.</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>

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! 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.

Date: Jan-07

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

Roofs: TWP®500 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® 501, 502, 503, 511, 515, and 516 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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