



**GEMINI**  
AN EMPLOYEE OWNED COMPANY

# PRODUCT DATA SHEET

## TWP® Total Wood Preservative

TWP®100	Clear	TWP®103	Dark Oak	TWP®115	Honeytone
TWP®101	Cedartone Natural	TWP®105	Cape Cod Gray	TWP®116	Rustic
TWP®102	Redwood	TWP®106	Prairie Gray	TWP®120	Pecan

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.</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 100 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><b>Product Advantages:</b></p> <ul style="list-style-type: none"> <li>➤ EPA Registered Wood Preservative</li> <li>➤ Professional Choice for Most Exterior Wood Surfaces</li> <li>➤ Repels Water Longer</li> <li>➤ Resistant to Mold and Mildew</li> <li>➤ Easy to Apply and Maintain</li> <li>➤ Protects Against Wood Rot, Water, Sunlight and Mildew</li> <li>➤ Helps in the Prevention of Warping, Cracking and Splitting</li> <li>➤ When Applied Properly, TWP® Will Not Crack, Peel or Blister</li> <li>➤ Prevents UV Damage</li> <li>➤ HAP's Compliant</li> <li>➤ VOC Compliant in 36 States</li> </ul>	<p><b>Viscosity:</b> 15-18 #2 Zahn</p> <p><b>Weight Solids:</b> 35-38%</p> <p><b>Volume Solids:</b> 30-32%</p> <p><b>Weight/Gallon:</b> 7.0-8.5 lbs/gal</p> <p><b>VOC (Reg/Coating):</b> 550 g/l Max</p> <p><b>VOC (Act./Material):</b> 4.58-4.59 lb/gal or 549-550 g/l</p> <p><b>HAPs:</b> .0248-.0530</p> <p><b>Coverage:</b> 200-400 sq.ft. per gallon. Rate will vary depending upon wood porosity. TWP® is designed for application on clean wood surfaces. Applying this product over a sealed surface will result in a glossy film. TWP® will function best if old finish is removed.</p> <p><b>Dry Time:</b> 24 hours (<i>Note: relative humidity, temperature, wood porosity and quantity applied will effect dry time</i>).</p> <p><b>Storage and Disposal:</b> 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><b>Shelf Life:</b> Approximately 18 months if container is tightly sealed and stored where temperatures do not drop below 50°F.</p> <p><b>Where to Use:</b> Can be used on rough sawn cedar, wood siding, log homes, shutters, fences, porches, decking, cedar shingles, fascia, wood planters, landscaping timbers and any other exterior wood you want to preserve. For <b>above</b> ground use 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><b>New Wood:</b> All new wood should be thoroughly wetted by water 4 or more times to open wood grain and remove excess surface tannins, allow to weather 3-6 months or use Gemini Wood Prep. This is especially important for mill planed smooth wood, as machine compacted surface fiber limits TWP® penetration. If you suspect mill glaze is present after applying the Gemini Wood Prep, reapply, scrub, rinse thoroughly and allow drying for 48 hours minimum. Always test wood for proper stain penetration.</p> <p><b>New ACQ Pressure-Treated Wood:</b> 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 hours minimum. 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.

IMPORTANT! RAGS, STEEL WOOL OR WASTE SOAKED WITH THIS PRODUCT MAY SPONTANEOUSLY CATCH FIRE IF IMPROPERLY STORED OR DISCARDED. IMMEDIATELY AFTER USE, PLACE RAGS, STEEL WOOL OR WASTE IN A SEALED WATER-FILLED METAL CONTAINER.

**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: May-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®100 series may be used, but 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. 100 Clear may be intermixed with other TWP® colors in same series. TWP® 101, 102, 103, 115, and 116 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. On driveways, brick, sidewalks, painted surfaces, vinyl siding or any type of masonry, tape off from board to board. 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. 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 cause failure.** 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. Only one coat of TWP®105 Cape Cod Gray or TWP®106 Prairie Gray is recommended. 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.

*TWP® is a registered trademark of Amteco Inc.*