



#### DESCRIPTION

TWP® 77 Pro-Series is a unique combination of chemicals that protects and enhances the natural warmth, beauty, and integrity of new and old wood. TWP® penetrates deeply into the wood without excessive surface film build, highlighting existing grain patterns with amazing clarity and warmth. It can easily be tinted to any of the 30 pre-formulated colors that appear in our semi-solid brochure. These colors can be made semi-transparent simply by reducing the amount of colorant. **For above ground use only. For exterior use only.**

PRODUCT NUMBER/COLOR	TYPICAL COATING PROPERTIES	SPECIFICATIONS&INFORMATION
TWP-77 Clear Tint Base	<p><b>Viscosity:</b> 17-24 #2 Zahn  <b>Weight Solids:</b> 73-77%  <b>Volume Solids:</b> 69.5-73.5%  <b>Weight/Gallon:</b> 7.3-7.7 lbs./gal  <b>Coverage:</b> 150-400 sq. ft. per gallon depending on wood porosity.</p> <p><b>VOC (reg./coating):</b> &lt; 250 grams per liter</p> <p><b>Dry Times:</b>  <b>Air Dry:</b> 24 hours minimum at 78° F, relative humidity 50%            Relative humidity and temperature will affect the speed of drying. 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.  <b>Shelf Life:</b> 24 months @77° F in unopened original container and stored in a cool dry area. Always rotate stock.</p> <p><b>Storage and Disposal:</b> Store in dry place with temperatures above 50°F. Close container after each use. <b>Rags or other items wet with TWP may spontaneously ignite if improperly stored or discarded!!</b> 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.</p> <p><i>Note: To the best of our knowledge, the above technical data is true and accurate at the date of issuance but is subject to change without prior notice.</i></p>	<p><b>Where to Use:</b> 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 protect. For above 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>Tinting:</b> This product may be tinted to any of our 30 contemporary color formulas with the following colorants: PPG HS 96 Series. Custom formulas may be tinted up to 10 oz per gal* max using these colorants. For semi-transparent colors, reduce colorant by 50% or greater. Note: Color formulas differ for each colorant series.  <i>*Fill level is 118 oz.</i></p> <p>** Due to variances and characteristics in colorants manufactured by third parties, Gemini <b>does not warrant</b> any final color resulting from the use of colorants. It is strongly recommended that the end-user test for final color prior to application.</p> <p><b>Clean up:</b>            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.</p>
PRODUCT ADVANTAGES		
<ul style="list-style-type: none"> <li>➤ Semi-Solid/Semi-Transparent Stain Technology For Improved Color Retention And Performance</li> <li>➤ 30 Contemporary Color Formulas.</li> <li>➤ May Be Tinted To Any Custom Color Using Approved Colorants</li> <li>➤ Professional Choice For Most Exterior Wood Surfaces</li> <li>➤ Repels Water</li> <li>➤ Stain Surface Is Resistant To Mold And Mildew</li> <li>➤ Easy To Apply And Maintain</li> <li>➤ Protects Against Damage Caused By Water And Sunlight</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>➤ VOC Compliant In 50 States excluding SCAQMD</li> </ul>		

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## PRODUCT DATA SHEET TWP-77 PRO-SERIES CONTINUED



### **Substrate 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.

**New Pressure and Chemically Treated Wood:** Allow 6-12 months unprotected weathering. Clean and dry as above before finish coat application.

**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.

**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 wood should be prepared in the same manner as new wood above. Allow wood to dry a minimum of 48 hours in good drying conditions before finish coat application.

\*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, which is gentler on wood than household bleach, may also be used for cleaning.



**Material Preparation:** No reduction necessary. DO NOT THIN TWP®. Mix thoroughly before using and occasionally during use. This product must be tinted before use. 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.

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.

**TWP® can be applied using a brush, applicator pad, roller, pump up sprayer, or airless sprayer.**

**To Spray:** Use a garden sprayer or airless spray equipment. Use minimum amount of pressure necessary for proper spray pattern to reduce overspray. Block overspray 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.

**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.

**Whatever your application method,** the first coat should be applied to the point the surface is saturated. Spread any runs, drips or puddles with a brush. Allow TWP to penetrate for 15-30 minutes. If absorbed in that time period, immediately apply a second coat. If the first coat is not absorbed 30 minutes after the first coat is applied, a second coat is not recommended. Remove any excess stain 30-60 minutes after application of the final coat with a dry cloth, brush, roller or applicator pad. Two coats are typical for most applications. One coat is typically all that exotic and hardwoods can absorb. TWP that does not soak into wood and is not properly removed from the surface will form a shiny film, will remain tacky for an extended period, and will fail prematurely.

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® is not 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.