



TWP 200 SERIES TOTAL WOOD PROTECTANT

DESCRIPTION

TWP® is a high solid, heavy duty, penetrative coating specifically designed to extend the service life of shakes and shingles. The primary function is to enhance structural integrity and appearance of aged roofing. The finish composition will minimize grain cracking, cupping, surface erosion, and water absorption. The stain surface is highly resistant to mold, mildew, and algae. The product absorbs into weathered porous wood, adding bulk to the wood fiber. This restores lubricity and flexibility to brittle shingles. These products comply with all current federal and state VOC (volatile organic compounds) regulations. **For above ground use only. For exterior use only.**

PRODUCT NUMBERS/COLORS	TYPICAL PROPERTIES	SPECIFICATIONS & INFORMATION
<p>For product numbers and color selection, please see the second page of this document.</p>	<p>Viscosity: 22-32" #2 Zahn Weight Solids: 88.3-96.3% Volume Solids: 87.6-95.6% Weight/Gallon: 7.1-7.9 lbs/gal Coverage: 100-250 sq. ft. per gallon depending on wood porosity.</p>	<p>Where to Use: Cedar shakes and shingles, rough sawn cedar, siding, structural lumber, log homes, shutters, fences, fascia, landscaping timbers. For above ground use only. For exterior use only. Apply color maintenance coats as needed.</p>
PRODUCT ADVANTAGES	<p>VOC (reg./coating): < 100 grams per liter</p> <p>Dry Times: Air Dry: This is a semi-drying system, designed for penetration. Surfaces are generally dry to touch overnight. 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.</p> <p>Shelf Life: 24 months @77° F if unopened and stored in a cool dry area. Always rotate stock.</p> <p>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.</p>	<p>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.</p>
<ul style="list-style-type: none"> ➤ High Solids and Heavy Duty ➤ Stain Surface is Resistant to the Growth of Mildew, Algae and Moss ➤ Extends Life of Exterior Wood ➤ Adds Lubricity and Flexibility to Weathered Wood ➤ Enhances Structural Integrity of Shakes and Shingles ➤ Greatly Improves Appearance of Aged Wood Roofing ➤ Complies with All Known VOC Regulations ➤ 7 Popular Colors and Clear ➤ 1 Coat System Penetrates Deep into Wood 		

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PRODUCT DATA SHEET TWP 200 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.

Old Wood: Unprotected old wood is typically various shades of gray to black due to mildew and ultraviolet light attack on the wood surface. Weathered 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. 200 Clear may be intermixed with the TWP200® colors. TWP® 201, 202, 203, 205, 206, 207, and 210 may be intermixed to create custom colors. Due to variations in base wood color and porosity, finish color may vary. Apply product to a small section of the surface to be coated to determine acceptability of color. The products are very dark upon application and take as long as eight weeks to lighten to their final color.

Application: TWP is a penetrating system and is not designed to build a film. Only apply TWP to properly prepared clean dry absorbent, bare wood. TWP should dry uniformly flat with no glossy areas. Only apply TWP when the temperature is 50-90 ° F. Allow 48 hours after last exposure to moisture for substrate to thoroughly dry before applying TWP. Watch local weather forecasts BEFORE you apply TWP® to assure no rain or cold temperatures during application and 48 hours following application. Do not apply this product in a way that will contact any person or pet.

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

To Spray: Airless spray equipment with a 0.017-0.032" spray tip is most often used. If using a deck/garden pump up sprayer, choose one that is supplied with as large an orifice as possible, and that comes with an adjustable nozzle or multiple fan spray tips. 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. Apply a uniform coat maintaining a wet edge. Wood porosity can vary from board to board. Back brushing with a thick, natural bristle brush will help achieve color uniformity. Avoid applying by spray in windy conditions.

Brush, Roller, or Pad: Apply a uniform coat maintaining a wet edge. If applied with a roller or pad, back brushing with a thick, natural bristle brush will help achieve color uniformity.

Whatever your application method, TWP should be applied to the point the surface is saturated. Back brush as indicated above. For best results finish 2 or 3 continuous board lengths or courses of shingles, thereby avoiding lapping. If you stop in the middle of your project be sure and finish the last board or course from end-to-end to avoid lap marks. Remove or spread out any liquid material remaining on the surface 30-60 minutes after application with a dry rag, brush, applicator pad or roller. Excessive TWP that does not penetrate and is not removed from the surface will leave a shiny film, extend dry time, and cause premature failure.

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.

**TWP200 CLEAR
TWP201 CEDARTONE
TWP202 REDWOOD**

**TWP203 GOLD
TWP205 CALIFORNIA CEDAR
TWP206 RUSSET BROWN**

**TWP207 BUTTERNUT
BROWN
TWP210 SLATE GRAY**

TWP200 Clear does not contain any UV screening pigments and will allow wood to age first to ash blonde and then to natural gray.



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 tape off concrete, painted surfaces, siding or brick with plastic before application. TWP® is not intended for the control of termites or other wood destroying insects. TWP® should not be tinted and 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.