



# PRODUCT DATA SHEET

## TWP Natural Effect Impregnating Stains

### DESCRIPTION

TWP Natural Effect Impregnating Stain is the first step in a two-part exterior system. The impregnating stains are designed to wick deep into the pores of the wood to help protect against mold and fungus, while providing a beautiful aesthetic color. TWP Impregnating Stains penetrate deep into the wood without surface film build, highlighting existing grain patterns with amazing clarity and warmth. The TWP Impregnating Stain colors contain special UV absorbing pigments which inhibit unsightly graying caused by the sun. Colors may be mixed to create new shades. To achieve maximum durability, moisture resistance and longevity against weathering, the TWP Natural Effect Topcoat (TWP-1800) must be applied over any of the TWP Impregnating Stains.

PRODUCT NUMBER/COLOR	TYPICAL COATING PROPERTIES	SPECIFICATIONS&INFORMATION
<b>TWP-9011 Teak</b> <b>TWP-9013 Walnut</b> <b>TWP-9021 Mahogany</b> <b>TWP-9052 Dark Walnut</b> <b>TWP-9054 Ebony</b> <b>TWP-9066 Chestnut</b>	<p><b>All Values based on TWP-9011 Teak</b></p> <p>Viscosity: 20 seconds #2 Zahn            Weight Solids: 24.4%            Volume Solids: 9.38%            Weight/Gallon: 8.6 lbs./gal            Coverage: 100 - 120 sq. ft. per gallon depending on wood porosity.</p> <p><b>VOC Material 0.34 LBS / Gal or 41.20g/l</b>  <b>Coating 2.48 LBS / Gal or 296.57 g/l</b>  <b>Ratio 0.32 LBS VOC/ LBS Solids</b></p> <p>Haps Free</p> <p>Dry Times:*            Air Dry: 1 hour at 74°F.            Recoat with TWP-1800: 4 hours depending on climate.            *This product is extremely sensitive to climatic variations: low temperatures and/or high relative humidity will increase the drying times of this product.</p> <p>Shelf Life: 12 months @77° F in unopened original container 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. Dispose of any leftover product in accordance with Federal, State, and Local regulations.</p> <p>Do not discard waste in public sewers.</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>Application Instructions:</b> Properly cover any areas nearby not being stained with plastic before application. Only apply to properly prepared, clean, dry and absorbent bare wood. Do not apply when rain is expected within 48 hours of application. Mix thoroughly before and occasionally during use. For best results, apply using brush, roller or spray. If stain is sprayed, apply evenly with overlapping layers allowing time for stain to absorb into the pores of the wood and let dry for 4 hours. <b>TWP Natural Effect Topcoat (TWP-1800) must be applied over any of these TWP Impregnating Stains for ultimate / final full protection.</b></p> <p>Do not apply with temperatures below 60° F.</p> <p><b>Clean up:</b>            Any equipment used can be cleaned with water. Brushes and rollers can be cleaned with soap and water. Dried material on equipment can be removed with acetone. Clean up spills before TWP® dries. Dispose of any leftover product 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> <p>Do not discard waste in public sewers.</p>
PRODUCT ADVANTAGES		
<ul style="list-style-type: none"> <li>➤ Easy to apply by brush, roller or spray.</li> <li>➤ Comes in six pre-made colors.</li> <li>➤ Colors can be intermixed to create new colors.</li> <li>➤ Prevents natural graying of the wood substrate.</li> <li>➤ Provides protection against mold and fungus.</li> <li>➤ Is part one of a two-part exterior system.</li> <li>➤ Must be topcoated with TWP-1800 for ultimate protection in an exterior environment.</li> </ul>		

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## PRODUCT DATA SHEET TWP-1800 Natural Effect



### **Substrate preparation:**

**New wood:** Depending upon the species and selection, it is normal to allow new wood to naturally weather 3 to 12 months before applying this stain and topcoat. Power wash and allow the surface to dry a minimum of 48 hours in good drying conditions before beginning the stain and topcoat application.

**Cedar and Redwood:** Allow 4 to 6 months of unprotected weathering.

**Exotic and Hardwood:** Woods such as Mahogany, Oak, Ipe and Teak are very dense and may take up to 6-12 months of unprotected weathering.

**New Pressure and Chemically Treated Wood:** Allow 6-12 months of unprotected weathering.

**Old Wood:** Unprotected old wood typically has 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 3 parts water or a wood bleach agent. The bleached surface should be thoroughly rinsed with water, powder washed and then allowed to dry for a minimum of 48 hours in good drying conditions before application of the impregnating stain and topcoat.

**Previous Sealed Wood:** Any Previously applied finish must be removed before this TWP system can be applied. Clean the surface with a solution of 1 part household bleach to 3 parts water or a wood bleach agent. Thoroughly rinse the bleached surface with water. Once the surface is bleached and rinsed, remove the prior finish with an appropriate stripper following label instructions and safety precautions. Sanding with 60-80 grit sandpaper may be needed. Power washing is recommended. Allow the wood to dry for a minimum of 48 hours in good drying conditions before application of the impregnation stain and topcoat.

**Application:** Properly cover any areas nearby not being stained with plastic before application. Only apply to properly prepared, clean, dry and absorbent bare wood. Do not apply when rain is expected within 48 hours of application. Mix thoroughly before and occasionally during use. For best results, apply using brush, roller or spray. If stain is sprayed, apply evenly with overlapping layers allowing time for stain to absorb into the pores of the wood and let dry for 4 hours. **Once finished applying the TWP Impregnating Stain, TWP Natural Effect Topcoat (TWP-1800) must be applied for final full protection.**

**TWP Natural Effect Impregnating Stains can be applied using a brush, roller, conventional spray equipment or airless sprayer.**

**To Spray:** 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 uniformity.

**Brush, Roller:** 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, back brushing with a thick, natural bristle brush will help achieve uniformity.

**Whatever your application method,** this coating should be applied to the point the surface is saturated. Spread any runs, drips or puddles with a brush. As this stain dries it will even out. Allow the impregnating stain to dry for 4 hours before applying TWP-1800 TWP Natural Effect Topcoat.

**Maintenance for renewal applications:** Over time, regular refreshment can considerably increase the duration of the coating, making refinish work less frequent. Once the coating has shown some wear and weathering, clean the surface using neutral soap and water, sand any areas if necessary, remove all dirt and debris from the surface and then you are ready to reapply the TWP Natural Effect Topcoat (TWP-1800). No need to restrain unless color has been removed.



### **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.