

SUPERNATURAL[®]

PROTECTIVE WOOD FINISH SYSTEM



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**Also available at www.biowash.com is:
the "Supernatural Tip Sheet "and the "Supernatural Specification Guide"**

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SUPERNATURAL®

PROTECTIVE WOOD FINISH SYSTEM

This truly clear finish offers unparalleled exterior performance and unsurpassed interior wood finish beauty in a simple to use, water cleanup, odor free system.

SUPERNATURAL® Protective Wood Finish System results in a finish so rich, yet transparent, it invites one to touch and feel the wood. Such resonant natural wood and grain highlight were previously associated with master craftsman employing fine hand rubbing oils. SUPERNATURAL® provides complete protection for exterior wood, yet its elegant finish quality provides excellent resistance to chemical and heat damage, while stopping 100% of damaging ultraviolet (UV) rays in the UV-A and UV-B wavelength. Such uncompromising versatility and performance has attracted some of the finest door/window manufacturers and log home builders in North America.

Utilizing breakthrough technology, BIO-WASH® has developed an exclusive transparent-oxide **Natural Tone System™ (NTS®)** for SUPERNATURAL®. The NTS® offers custom colors in natural wood tones to enhance and complement the many tones and hues of natural wood. Finally, a wood finish system designed... *“For the Real Look of Wood®”*.

SUPERNATURAL® is an easy to apply two coat system free of flammable solvents, poisonous ingredients or dangerous fumes. SUPERNATURAL® furnishes simple, safe and beautiful results.

Step 1 of 2. The Step 1-Foundation penetrates deep into the wood and provides unparalleled protection against damaging moisture, mildew and checking. It has the ability to stabilize natural wood colors by tinting it to match any wood tone with the exclusive transparent-oxide Natural Tone System™ (NTS®).

Step 2 of 2. The Step 2-Finish highlights rich grain and enhances the depth and luster of the wood. It provides complete protection against the damaging effects of ultraviolet rays and temperatures ranging from the cold of the Canadian Rockies to the tropical heat of Maui.

SUPERNATURAL® is easy to brush, spray or roll, has a quick dry time, and a revolutionary “self wash system”¹, making it a comprehensible, user friendly product that everyone can enjoy using. The love of wood and its natural beauty inspired the years of research and development behind every BIO-WASH® Product. Today we are:

manufacturing products our children can live with®.



¹ **SUPERNATURAL®** contains special ingredients which allow for extremely fast and easy WATER CLEANUP of spraying equipment and brushes, saving the operator valuable time and effort.

FEATURES, FACTS AND BENEFITS

EXEMPLARY PROTECTION IN A EASY TWO STEP SYSTEM

There are just two simple application steps to follow with the SUPERNATURAL® . Both steps are easily applied and ensure complete results. The technology is completely different from that used in conventional wood stains and finishes. This odorless, water reducible product is dry to the touch in minutes, allowing it to be applied quickly and easily to interior and exterior wood surfaces in an extreme range of weather and working conditions.

“FOR THE REAL LOOK OF WOOD”

SUPERNATURAL® is a perfectly transparent wood finish. Now wood species can maintain their original characteristics as mother nature intended them to look, “natural”.

SUPERNATURAL® IS TRANSPARENT

The product’s outstanding clarity means that blemishes and marks will not be hidden. It is important to ensure that the cosmetic appearance of the wood is blemish-free before applying the system. Ensure that older wood is properly restored with the appropriate BIO-WASH® product. Choosing an “NTS® tone” to match the natural wood color is recommended. Richer NTS® tones add more body and hue to pale or restored woods . The appropriate NTS® tone will highlight wood grain, help coverup any blemishes and protect the rich, but delicate, natural coloring of your exterior wood.

ULTIMATE UV PROTECTION

SUPERNATURAL® is transparent to visible light but opaque to ultraviolet light. Spectrometer measurements taken at a leading university confirmed SUPERNATURAL® ability to block wavelengths of harmful UV light while still maintaining its clarity. See Technical Bulletin.

WATER PROTECTION

The SUPERNATURAL® Protective Wood Finish System™ effectively seals out water causing it to bead and run off. However, any excess moisture trapped in the wood will slowly pass through as a vapor, allowing the wood to breath. Uncoated areas such as knots and end grain allow water easy access to wood. It is important to coat all sides of the wood if it will be exposed to water.

Note: An internal laboratory test revealed that wood pieces coated on all sides with SUPERNATURAL® were submerged in water for several months with no increase in moisture content.

ALL ROUND WEATHER PROTECTION

Tests carried out by freezing and boiling the panels in water did not cause SUPERNATURAL® to deteriorate or crack. The coating expanded and contracted through repeated cycles with no loss of bonding to the wood.

MOISTURE CONTENT OF THE WOOD

This is not as critical as with most coatings. The Step 1-Foundation is used in the log home construction industry for application to logs to control checking and twisting by regulating the rate of water evaporation from the new wood logs.

COVERAGE

The coverage is exceptional. The unique chemistry in the products allows SUPERNATURAL® to flow on smoothly and completely cover rough wood. On rough, porous and open grain wood, the Step 1-Foundation covers from 200 to 300 square feet per gallon. For smooth, light grain wood, the Foundation Coat covers 300 to 400 sq. ft. per gallon. The Step 1-Foundation may be applied as many times as required according to project specification. The Step 2-Finish will cover and protect considerably more surface area applied over the previously coated surface. Expect coverage of 400 to 600 sq. ft. per gallon.

Special Note on Coverage: Inadequate quantity of product application per square foot will result in premature fading and product failure. Apply Step 1-Foundation until the color is uniform and rich or sheen is even. Step 2- Finish is a lower luster and when applied liberally will spread to an even, proper mil thickness. Coat all six sides (front, sides, back and end-cuts) wherever possible and particularly if wood is regularly wet by rain.

DRY TIME

Dry to the touch in 30 to 40 minutes and the re-coat time is 2 hours. Complete cure time of SUPERNATURAL® out of doors is 72 hours.

TIME BETWEEN COATS

Applying SUPERNATURAL® is very easy. Simply apply the Step 1-Foundation to the wood surface. Allow it a few minutes to completely soak in and penetrate. The knots and open grain areas may show more absorption than tight grain areas. Reapply the coating to these areas if necessary to have a uniform Foundation for the Step 2-Finish. Apply the Step 1-Foundation as many times as you like. The Step 2-Finish may be applied at any time after this; as soon as Step 1 has dried, which is normally 1 hour on a warm dry day. The Step 1 will also provide approximately 3 months of protection from the elements on its own and a limited amount of UV protection. If you leave the wood exposed to high amounts of UV it is best to reapply the Step 1-Foundation every three months or just prior to completing the system with the Step 2-Finish.



COLD WATER CLEANUP (“SELF-WASH”)

Self Wash is a new innovation to the paint industry. Self cleaning surfactants and cleaners are built right into SUPERNATURAL®. For cleanup, only a small amount of water is required to clean the tools and flush clean any power equipment.

Special note on cleanup: DO NOT ALLOW PRODUCT TO DRY ON EQUIPMENT.

FLEXIBLE APPLICATION METHODS

Supernatural® Foundation and Finish coats are best sprayed and can be brushed or rolled. Apply with airless and air assisted sprayers or synthetic (Nylon) brush, foam brush, or roller. Ensure an even and liberal coat is applied to all exposed surfaces with any painting tool you prefer.

EASY SPRAYING

Both Step 1 and Step 2 spray equally well. Step 1 is formulated to a slightly lower viscosity than Step 2 to promote penetration. Atomization and air borne particulate are very minimal. When spraying coverage will be slightly lower and some reduction with water may be necessary.

PAINTING IN BAD WEATHER

SUPERNATURAL® can be applied at lower temperatures and very humid conditions. From now on, every month has many more days that are ‘windows of opportunity’ than solvent borne products have ever allowed. In extremely wet or cool conditions apply Step#1 only as a temporary protective coat for up to one year.

THE MOST COMPLETE WOOD PREP PROGRAM

BIO-WASH® has been the industry leader in innovative products designed for complete preparation, maintenance and wood restoration ensuring wood finishes have a beautiful wood substrate for optimum esthetics and performance. Prior to applying the SUPERNATURAL® Protective Wood Finish System all old wood surfaces must be restored with the appropriate product: STRIPEX® to remove any failed oil based penetrating stains, STRIPEX®-L to remove latex stains and varnish type products, RINSE or PEEL™ to strip multiple layers of exterior paint, ORGANIC STRIP™ for stripping furniture and, WOODWASH® to restore gray weathered wood with no previous finish. MILL GLAZE AWAY® must be used to precondition the wood surface of new or restored wood to ensure full penetration and adhesion. SUPERNATURAL® is designed to work in unison with BIO-WASH® products and will not yield anticipated results if used otherwise.

BLUSHING

When applying the SUPERNATURAL® ensure that the wood turns a rich natural color upon application of the Foundation. Any sign of the Step 1-Foundation turning white, or drying on contact with the wood indicates the presence of foreign residue. Stop coating immediately and clean and prepare the surface with BIO-WASH® MILL GLAZE AWAY®. Water based coatings are sensitive and MILL GLAZE AWAY® preconditions and prepares wood perfectly.

VISIBLE LIGHT

The visible light spectrum — from the colors blue to red — are what allow you to see the natural color of the wood beneath the SUPERNATURAL®. Natural color comes mostly from dark wood 'tannins' or extractives. Tannins occur in different amounts in both softwood and hardwood species. These tannins will fade under prolonged sun exposure, just like the pigment color in the dash of a car. For exterior wood applications you must use an NTS® factory or custom tint in the Step-1 Foundation. The beauty of your wood will be stabilized and preserved with an appropriate NTS® tone. Deep color woods are affected more by this phenomenon than light colored species and their natural rich color should be matched or made deeper with an NTS® factory or custom tone.

WALKED ON SURFACES

SUPERNATURAL® can be applied to almost any wood surface, inside or out. Outdoor wood decks are exception as they are subject to extreme abrasion, cracking and constant wetting with rain. NATURAL DECK OIL™ is formulated specifically for the high wear surface of an outdoor deck and is simple to maintain.

COATING ALL SIDES OF THE WOOD

Coat all sides (front, back, sides and end cuts) where possible. If your wood will be exposed to rain such as a fascia or a railings. SUPERNATURAL® creates a membrane-like envelope around the individual piece of wood, completely protecting it from the elements. "All it takes is one hole in the roof and the house will get wet inside". SUPERNATURAL® Protective Wood Finish System™ creates a membrane which allows moisture out of the wood but at a moderated rate when compared to unprotected wood.

DISCOLORATION BEHIND THE SURFACE

Discoloration happens from water movement in the wood. SUPERNATURAL® may have been incompletely applied, new cracks or checks may have appeared or there may be a building design flaw. Corrective measures will be required.

CHECKING IN LOGS

When this occurs it must be immediately corrected with a complete application of SUPERNATURAL® to reseal the log surface area being affected. Flood the crack of the log with the Step 1-Foundation to allow the product to reach all difficult to reach and newly exposed bare wood, and complete with a normal application of Step 2-Finish.



NORMAL MAINTENANCE OF EXTERIOR SURFACES

It is important to wash any wood surface on a regular basis to ensure the surface is clean. SUPERNATURAL® allows the wood to breath, but if dust and grime are present this feature is jeopardized. This is easily accomplished with a simple annual wash using SIMPLE WASH™. This will ensure maximum performance and wood protection.

MAINTENANCE OF PROBLEM AREAS

New cracks or checks, areas of extreme sun exposure and, logs or boards under physical abrasion need a touch-up coat if visible color change begins to occur. Simply prepare the surface by washing it clean with MILL GLAZE AWAY™ and reapply SUPERNATURAL® Step 1 and Step 2 over the affected area.

Eventually, depending on exposure of the wood surface to the elements, a maintenance coat using the clear Step 2-Finish will be required. Your wood must always have a rich even coat to provide complete protection against water and sun. Here is a simple test: if when the coated wood is exposed to water the color remains unchanged and the water beads and runs off the surface it does not need maintenance. If any areas of the wood gets obviously wet on contact with water it means the coating requires a complete reapplication of SUPERNATURAL® Step 1 and Step 2.

SUPERNATURAL® STEP-2 IS A CLEAR, UV BLOCKING FINISH COAT

This truly clear finish offers unparalleled exterior performance and unsurpassed interior wood finish beauty in a simple to use, water cleanup, odor free system. After eventual maintenance with clear Step-2, SUPERNATURAL® still looks like the day you applied it. The clear finish coat does not build up color and change the "real look of your wood" like other coatings.

SUPERNATURAL® IS UNIQUE AND PROVIDES UNSURPASSED PROTECTION FOR THE "REAL LOOK OF YOUR WOOD".



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