**Penofin® for Thermally Modified Wood**

**Penofin® for Thermally Modified Wood** is a deep-penetrating, acrylic stain delivering unmatched durability and protection from weathering. Penofin for Thermally Modified Wood is designed to provide a protective water and UV resistant coating that preserves the rich exotic color of thermally modified wood. Penofin for Thermally Modified Wood will prevent greying for up to 2 years on vertical and horizontal surfaces through use of a multi-phase UV & mildew protection package including the finest trans-oxide pigments, Nano-technology UV blockers, UV photo-light stabilizers and Fungicides. Penofin for Thermally Modified Wood can be applied on Thermally Modified decking, siding, shakes, shingles, roofs, steps and railings. The VOC level of this product is less than 100 grams per liter.

**Application Specifications**

For use on wood substrates only. Recommended for new to slightly weathered unsealed exterior thermally modified wood.

**Application:** For best results a pad applicator is recommended over large deck areas. Penofin for Thermally Modified Wood coating must be applied between 40-90 degrees F. Avoid applying in direct sunlight. Do not use if rain is expected within 24 hours. Surface must be completely dry before application. Do not thin product. Stir occasionally throughout application. Test product for penetration on a small hidden area before proceeding. Use of a roller should be limited to rough surfaces only. Use 3/8 nap or longer when appropriate. A high quality pump sprayer with a .015-.019 tip may be used. Work in small sections lightly saturating the surface and immediately back-brush or use pad applicator to eliminate puddling. Remove excess coating with a dry pad applicator, brush or roller and evenly distribute the finish. Maintain a wet edge when applying. Apply product end to end or to board length to prevent lap marks. Do not over apply over application will lead to surface failure including cracking and peeling. Recoat time is 1-2 hours. Allow 72 hours for full cure.

**Coverage:** Two thin coats are required: 1st coat- 300-400 sq. ft. per gal. 2nd coat- 400-600 sq. ft. per gal.

**Cleanup and Disposal:** Clean up with soap and water. Keep container closed when not in use. Do not transfer contents to other containers for storage or disposal. Dry empty containers may be recycled in a can recycling program. **Local disposal requirements vary; consult your sanitation department or state-designated environmental agency regarding disposal options.**
**Maintenance:** Sunlight, rain, snow and dew all take their toll on wood: minimize exposure wherever possible. Keep decks free of standing water. Minimize damage from snow and ice by using a calcium magnesium acetate product. Sweep and blow leaves and other debris from trees and plants regularly. Clean regularly each spring and fall with Penofin Pro-Tech Cleaner and evaluate the finish. Durability depends upon weather, wear and other local conditions.

**Cautions:** CAUTION! KEEP OUT OF THE REACH OF CHILDREN. May cause eye and skin irritation. Use only with adequate ventilation. Avoid breathing vapors, spray mist or sanding dust. If you experience eye watering, headache or dizziness, or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer’s directions for respirator use. When sanding wear a dust mask. Avoid contact with eyes and skin. Wash thoroughly after handling. Close container after each use. DO NOT TAKE INTERNALLY. WARNING: This product contains a chemical known to the State of California to cause cancer.

**WARNING!** If you scrape, sand or remove old paint from any surface, you may release lead dust. LEAD IS TOXIC, EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a wet mop or HEPA vacuum. Before you start, find out how to protect yourself and your family by contacting the USEPA/Lead information Hotline at 1-800-424-5323 or visit [www.epa.gov/lead](http://www.epa.gov/lead).

**First Aid:** Eye contact: Immediately flush with plenty of water for at least 15 minutes. If irritation persists, get medical attention.* If inhaled: if affected by inhalation of vapor or spray mist, move to fresh air. If breathing difficulty continues, get medical attention* If swallowed: Drink 2 glasses of water. Get medical attention immediately.*

*Call poison control center, hospital emergency room or physician immediately.

For additional safety and chronic health hazard information, refer to the Safety Data Sheet for this product.

**EMERGENCY MEDICAL TELEPHONE:** 1 800 222 1222

**Techniques & Tips**

Square Feet can be calculated by multiplying length times width; i.e., 10' W X 25' L = 250 sq. ft.

To ensure desired appearance and proper drying time, always finish a small test area before proceeding.

**New Wood:** Prior to staining, the entire area should be properly cleaned with Penofin Pro-Tech Cleaner. Any loose or damaged wood fibers may be removed with a light sanding.

**Mildew:** Any mildew stains present on the surface prior to application should be removed with Penofin Pro-Tech Cleaner. Mildew stains are not caused by the coating nor do they represent coating failure. This product contains agents that inhibit the growth of mildew on the coating’s film.
Tips

- Do not apply in direct sun light or if the surface is hot to the touch or the surface temperature is below 40 degrees Fahrenheit or above 90 degrees Fahrenheit.
- Two thin coats are required. For optimum results coat all four sides.
- Do not overcoat.
- Do not apply over wet or damp surfaces or when rain is imminent within 24 hours.
- Do not thin or intermix with any other products.
- Recoat time is 1-2 hours. Allow 72 hours for full cure.
- Protect containers from freezing.

LIMITED WARRANTY: Penofin finishes are warranted to perform when applied according to instructions. If Penofin is shown to be defective, Performance Coatings Inc. will replace the product. Performance Coatings Inc.’s liability under any warranty whether expressed or implied is limited solely to replacement of product and does not include labor or other consequential damages.

For more in-depth information please visit our web-site at www.penofin.com or call our Customer Service experts at 1.800. Penofin.