



## **Penofin® Architectural Marine Grade Transparent Coating**

Penofin® Architectural Marine Grade Transparent Coating delivers the highest level of quality, protection and beauty. Designed to provide a protective yet breathable water and UV resistant barrier for wood above the waterline. Utilizing an innovative blend of deep penetrating modified natural oils, cutting-edge waterborne alkyd-urethane hybrid resin technology combined with polymerized silicone for superior surface and internal water repellency. This advanced combination of technologies allows for natural oils and resins to penetrate deep into the fibers of the wood without blocking the pores, allowing for maximum internal and external water repellency while maintaining breathability. Supreme level UV resistance through the use of a multi-phase UV protection package composed of high grade trans-oxide pigments, Nano-technology UV blockers and UV photo-light stabilizers. This durable yet flexible alkyd-urethane hybrid system delivers maximum protection in harsh marine environments.

- Durable yet flexible alkyd-urethane hybrid technology
- Deep penetrating modified natural oils combined with advanced waterborne delivery system for maximum penetration and natural beauty
- Water repellent yet breathable formulation
- Platinum level UV resistance Easy to maintain: Does not flake, peel or chip over time.
- Easy reapplication: No need to sand or chemically strip before re-coating.
- Low VOC (<100 g/L)

Penofin® Architectural Marine Grade Coating can be applied on all species of hardwood & softwood decking, docks siding, steps, railings, fences and furniture.

### **Application Specifications**

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

**Surface Preparation: 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. **Old Wood:** Prior to staining, the entire area should be properly cleaned and brightened with Penofin® Pro-Tech Cleaner and Penofin® Pro-Tech Brightener. 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.

**Application:** 2 coat application is recommended. Stir can thoroughly before use. For best results a pad applicator is recommended over large deck areas or a high quality natural bristle brush. Penofin® Architectural Marine Grade Coating must be applied between 40°F - 90°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 0.015-0.019 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, poor drying and/or uneven glossy finish.

**Recoat Time:** Allow 4-6 hours before applying 2<sup>nd</sup> coat. Allow 72 hours before returning furniture and heavy use.

**Dry Time:** Approximately 24 hours depending on temperature, humidity and air flow. Wait 72 hours (3 days) before returning furniture and heavy use.

**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 and water take their toll on wood: minimize exposure wherever possible. Keep wood free of standing water. Clean regularly and evaluate the finish. Durability depends upon weather, wear and other local conditions. When the finish sheen looks dull, simply clean the surface and reapply a single coat. Damaged areas can be sanded and touched up as needed in order to maintain appearance.

**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.

**Old Wood:** Prior to staining, the entire area should be properly cleaned and brightened with Penofin® Pro-Tech Cleaner and Penofin® Pro-Tech Brightener. 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°F or above 90°F.
- Two thin coats are required. For optimum results coat all four sides.
- Do not over apply coating
- 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 4-6 hours. Allow 72 hours for full cure.
- Protect containers from freezing.

**\*LIMITED WARRANTY:** Performance Coatings Inc. warrants customer satisfaction with this product when applied according to instructions to properly prepared surfaces. Color fading, slight natural greying and slight loss of sheen may occur during this period especially to surfaces exposed to excessive weather or heavy foot traffic. If you are not satisfied with this product Performance Coatings Inc. will at its option and upon proof of purchase, provide the equivalent amount of new 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. This warranty is made to the original residential product purchaser and is not transferable.

For more in-depth information please visit our web-site at [www.penofin.com](http://www.penofin.com) or call our Customer Service experts at 1. 800. Penofin