



# PENOFIN Architectural Grade TSF Marine Grade Hardwood

## PRODUCT DATA SHEET

**PENOFIN ARCHITECTURAL GRADE TRANSPARENT MATTE & SATIN HARDWOOD COATING** delivers the highest level of quality, protection, and beauty. Designed to provide a protective yet breathable water and UV resistant barrier that enhances and preserves the rich exotic look of hardwoods. Utilizing an innovative blend of deep penetrating modified natural oils, cutting-edge waterborne alkyd-urethane hybrid resin technology combined with a 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 protection package composed of high grade Transoxide pigments, Nano-technology UV blockers, and UV photo-light stabilizers. This durable yet flexible alkyd-urethane hybrid system delivers 2 year protection on decks and 4 year protection on fencing and siding.

### **ARCHITECTURAL TSF MARINE GRADE APPLICATIONS:**

- ◆ Decking
- ◆ Siding
- ◆ Fencing
- ◆ Steps
- ◆ Railings
- ◆ Furniture

### **TECHNICAL DATA:**

**Installation Temperature:** 40°F—90°F

**Number of Coats Required:** 2

**Dry to Touch:** 1st coat 4-6 hours, then apply the 2nd coat.

**Serviceable:** 24 hours

**Full Cure:** 72 hours

**Coverage:** On smooth surfaces 1st coat 300-400sq. ft per gallon, 2nd coat 400-600sq. ft. per gallon.

**VOC:** <100 g/l

**Resin Type:** Alkyd-Urethane Hybrid

**Oil Type:** Emulsified Linseed

**Density:** 8.47 (lbs/gal)

**Viscosity Krebs:** 50-60 KU

**Solids (% by weight):** 25%

**Solids (% by volume):** 25%

**Recommended Mil Thickness:** 4mil wet / 1mil dry

**PH:** 8.5-9.5

**Color:** Natural

**Sheen:** Satin

### **SURFACE PREPARATION:**

Surfaces must be sound, and absolutely dry. Be sure the surfaces is free of all dirt, mildew stains, loose wood fibers, and other foreign matter. New surfaces should be prepped using the Penofin **First Step Prep**, while old surfaces should be prepped using

the Pro-Tech products.. Old surfaces should be chemically stripped if previously treated with a non-Penofin product, followed by the **Pro-Tech Cleaner** and **Pro-Tech Brightener**.

### **APPLICATION:**

For best results a pad applicator is recommended over large deck areas. Penofin Architectural Grade must be applied in temperatures between 40°F-90°F. Avoid applying in direct sunlight. Do not use if rain is expected within 24 hours.

**DO NOT THIN PRODUCT.** Stir occasionally throughout application. Test product for penetration on a small inconspicuous 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 0.15-0.19 tip may be used. Work in small section lightly saturating the surface and immediately back-brush or use a pad applicator to evenly distribute excess product to prevent puddling or pooling. Maintain a wet edge when applying. Apply product end to end or to board length to prevent lap marks. Do not over apply, over applying will lead to surface failure, poor drying, and/or uneven finish.

### **COVERAGE:**

Two thin coats are required—First coat will cover approximately 300-400sq. ft. per gal. Second coat will cover approximately 400-600sq. ft. per gal. Recoat time is 4-6 hours. Allow 72 hours to fully cure.

### **CLEAN UP:**

Clean brushes & equipment with soap & water. Dispose of empty cans or unused portion in accordance with local, state, and federal regulations.

**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, wear an appropriate properly fitted respirator (Niosh approved) during and after application. Wash thoroughly after handling. Close container after each use. DO NOT TAKE INTERNALLY.**

Please visit our website [www.penofin.com](http://www.penofin.com) for more application & wood care tips, or call our live customer service line at: **1-800-PENOFIN Monday—Friday 7:00am-4:00pm (PST)**, or email us at [mail@penofin.com](mailto:mail@penofin.com).