



Penofin® Architectural Grade TMF & TSF Hardwood

- **Durable yet flexible alkyd-urethane hybrid**
- **Deep penetrating natural oils combined with waterborne delivery system**
- **Available in two colors both in matte or satin sheens**
- **Water repellent yet breathable**
- **Soap & water cleanup**
- **Will not peel, crack or flake over time**
- **Easy reapplication: No need to sand or chemically strip**



**Performance Coatings Inc.
Ukiah, California**

Architectural Grade Hardwood

Technical Data Sheet

Penofin® Architectural Grade Transparent 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 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 2 year protection on decks and 4 year protection on fences and siding.

Applications:

Can be applied on all species of hardwood decking, siding, steps, railings, fences and furniture.

TECHNICAL DATA:

Installation Temperature: 40—90 degrees F.

Dry to Touch: 4-6 hours then apply another coat, serviceable in 24 hours.

Full Cure: 72 hours.

Coverage: On smooth surfaces approximately 300-400 sq. ft. per gallon.

VOC: <100 g/l

Resin Type: Alkyd-urethane hybrid

Oil Type: Emulsified linseed

Density: 8.47 (lbs/gallon)

Viscosity Krebs: 95 - 100 KU

Solids (% by weight): 25%

Solids (% by volume): 23%

PH: 8.5 - 9.5

Color: Natural & Ipe

Sheen: Matte or Satin

SURFACE PREPARATION:

In order to be effective a stain must be able to penetrate into the wood. Surfaces must be sound, and absolutely dry. Be sure the surface is free of all dirt, mildew stains, loose wood fibers and other foreign matter. Old surface coatings should be sanded off or chemically stripped prior to application. Prior to staining, the entire area should be properly cleaned with Penofin Pro-Tech Cleaner.

APPLICATION:

For best results a pad applicator is recommended over large deck areas. Penofin® Architectural Grade Transparent Hardwood 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, poor drying and/or uneven glossy finish.

Coverage: Two thin coats are required:
1st coat- 300-400 sq. ft. per gal. 2nd coat- 400-600 sq. ft. per gal. Recoat time is 4-6 hours. Allow 72 hours for full cure.

CLEAN-UP:

Clean brushes and equipment with soap and 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 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.**