



WOODSHIELD BEST ALKYD SOLID DECK AND SIDING STAIN 297-SERIES

Description

Our Premium Woodshield Best Exterior Alkyd Solid for Deck and Siding stain was developed to perform optimally through the combination of resin and proprietary formulation. The alkyd stain offers notable adhesion, durability, and performance for our Canadian climate.

Recommended Substrates

Wood (Bare and New) – Previously stained wood – Vertical and Horizontal use

Tinting and Base Information

297-00 White Base - Tintable

297-09* Clear Base

297-24 Walnut

*Must be tinted. Refer to the formula book or colour matching system for colour formulas and tinting instructions. More than two coats to achieve a uniform finish.

Features

Exterior

Stain and Primer in One

Alkyd Tung Oil Formulation

Opaque Stain

Durable and Protective Finish

Home Owners Guarantee

Benefits

Smooth application and promotes exceptional hiding and coverage

Excellent penetration into wood surfaces.

Excellent long-term performance and durable finish

Resist formation of new mildew on the paint surface

Regulatory Conformance and Approvals

Meets stringent VOC regulation - ≤ 250 g/L (based on 297-00)

Technical Data

Vehicle Type: Tung Oil – Alkyd Resin – Clean up with Home Paint Thinner

Gloss Range: < 8 (60° angle) based on 297-00

Spread Rate: Up to 40m² or 400ft² per gallon on smooth and non-porous surfaces. Spread Rate do not include loss due to surface irregularities, surface porosity, and application method.

Volume Solids*: 46% based on 297-00

Weight Solids*: 55% based on 297-00

*Weight per 3.64L – 5.5kg including can

Drying Time: @ 25°C; 50% Relative Humidity

To Touch – 6 hours

To Recoat – 24 hours

Light Traffic – 72 hours

To Full Cure – 14+ Days

Drying times will vary depending on ambient temperature, humidity, film build, colour, and air movement.

Surface Temperature:

Material – 10°C (50°F) to 32° (90°F)

Ambient - 10°C (50°F) to 32° (90°F)

Substrate - 10°C (50°F) to 32° (90°F)

Storage of material at elevated temperatures for prolonged periods may experience skinning.

Viscosity: 87-137 cp#1 @ 50rpm @ 25°C

Flash Point: 44°C

Disposal: Contact your local environmental regulatory office or your municipality for specific guidelines

Container Sizes:

297-00 911ml 1866-874 3.64L 1866-875

297-09 850ml 1866-872 3.40L 1866-873

297-24 3.64L 1866-871

General Preparatory Steps and Application Info

-Surface must be cleaned, sanded, and dried.

-Remove all loose and peeling stain, dirt, mildew, grease, stains, and any other surface contamination. Replace questionable pieces of wood. Sand all glossy (mill glaze) and rough surfaces. Consult with your local paint department on preparatory steps.

-New lumber can be stained immediately providing the moisture content is below 15%.

-All grey wood or dead wood fibres need to be removed with an oxalic acid (WoodRestorer) or sanded very well (not smooth). It is possible the wood surface is too far gone negating the use of stain, clear, or paint.

-Do not apply over water proofing agents nor add water proofing agents to stain. If the surface beads or sheds water, the coating needs to be removed and thoroughly prepped prior to staining.

-Do not apply over shellac. Wipe knots and sap with Home paint thinner.

-Moisture content in wood needs to be below 15%.

-Remove all traces of mildew with appropriate cleaner. Consult with your local Paint Department.

-Repair all moisture damage and deter all moisture problems.

-Ensure adequate air flow underneath deck system (adequate ventilation).

-Do not apply in direct sun or if rain is imminent and avoid heavy dews shortly after application.

-Please take extra precaution near and around the deck to protect foliage, metal, and glass.

-Apply 2 liberal coats of stain. Do not apply over painted or primed surface. Horizontal and Vertical Use. We recommend applying the stain one linear board at a time.

-Not intended to be used on resin or composite material.

-If spraying or rolling stain, one must back-brush to push the stain into wood surface.

-Follow label directives for application requirement. Consult your local Paint Department.

-Stir thoroughly before and occasionally during use.

-If using more than one can of the same, intermix to ensure uniform finish.

New Treated Lumber: Preferably stain prior to or shortly after installation. Ensure moisture content in wood is below 15%. Any evidence of Mill Glaze needs to be sanded prior to staining. Apply two liberal coats of stain. If applicable, stain all 4 sides and end cuts of each board. Maintenance coat is suggested every 24-48 months for high use zones.

Previously Coated Treated and Non-Treated Lumber: Evaluate existing condition of coating and surface. Consult with your local paint department for recommendations. Most circumstances, the surface needs to be sanded, scraped, and cleaned with WoodRestorer or WoodPrep. Remove as much of the old coating as possible and replace any questionable pieces of deck lumber. Lessen any pooling or ponding of water on deck surface. Apply two liberal coats of stain. Maintenance coat is suggested every 24-48 months for high use zones.

Old Treated Lumber (never coated): Evaluate existing condition of decking and surface. Consult with your local paint department for recommendations. Replace any questionable pieces of deck lumber. Clean the wood surface with WoodRestorer a couple of times. Clean the surface with Natura Mildew off. Rinse thoroughly with a power washer or a garden hose (500-800 PSI). Once dry, sand the surface, rinse, and allow to dry. Repeat if necessary. Lessen any pooling or ponding of water on deck surface. Apply two liberal coats of solid stain. Maintenance coat is suggested every 24-48 months for high use zones.

Untreated Raw Wood (Pine, Cedar, and so on): Preferably stain prior to or shortly after installation. Ensure moisture content in wood is below 15%. Any evidence of Mill Glaze needs to be sanded prior to staining. Apply two liberal coats of stain. If applicable, stain all 4 sides and end cuts of each board. Maintenance coat is suggested every 24-48 months for high use zones. Certain species of wood are high in tannins and likely will bleed through the stain coating (Knots, Cedar, Pine).

Application Equipment: Apply with a high-quality brush, roller, stain pad, or sprayer. Sprayer – 0.015"-0.021" nozzle tip at manufacture PSI recommendation. Brush – Pure Bristle. Roller – 5mm – 10mm nap cover.

Thinning: Home Paint Thinner - Not necessary but no more than 10%-12% of volume.