

Product Data Sheet



PRATT & LAMBERT PAINTS
Never compromise®

StainShield® Semi-Transparent Waterborne Deck & Siding Stain

Z1497 / F1497 – Clear Base
Z1498 – Warm Cedar
Z1499 – Northern Redwood

StainShield® Semi-Transparent Waterborne Deck & Siding Stain is an acrylic stain that provides long lasting beauty and protection by forming a long lasting, mildew-resistant film that repels damaging water and guards against ultraviolet rays. It may be applied to damp surfaces, allowing surfaces to be prepared and stained in one day.

- Highlights the natural beauty of the wood
- Seals surface from water penetration
- Provides a mildew-resistant coating
- Protects wood from cupping, splitting, and cracking on decks
- Can be applied to damp surfaces

Recommended Uses

For use on exterior pressure-treated wood, rough sawn lumber, trim, railings, and lattice

Recommended Systems

As with all semi-transparent stains, application of additional coats will highlight any unevenness or inconsistencies in the underlying wood surface. Ensure surface preparation is complete and any previous coatings are removed entirely prior to staining previously coated areas.

Rough-Sawn Lumber, Shakes, Shingles

1 or 2 coats StainShield® Waterborne Deck & Siding Stain
Second coat must be applied "wet on wet", within 20-60 minutes after first coat.

Smooth Lumber

1 coat StainShield® Semi-Transparent Waterborne Deck & Siding Stain
If second coat must be applied for proper color development, apply "wet on wet", within 20-60 minutes after first coat.

Re-stain:

Prepare surface by removing previous coatings entirely. If not possible through sanding or power washing, take steps to ensure surface coloration is even and porosity of wood is not compromised. 1 coat of StainShield® Semi-Transparent Waterborne Deck & Siding Stain

If second coat must be applied for proper color development, apply "wet on wet", within 20-60 minutes after first coat.

A non-slip additive (i.e. clean sand) may be added to reduce slipping hazards.

Technical Data

Vehicle: Alkyd / Acrylic

Finish: No Sheen

Flash Point: N/A

Volume Solids: Clear 23 ± 2%
Cedar 23 ± 2%
Redwood 23 ± 2%

Weight Solids: Clear 28 ± 2%
Cedar 29 ± 2%
Redwood 30 ± 2%

Weight/Gallon: Clear 9.0 lb/gal
Cedar 9.0 lb/gal
Redwood 9.1 lb/gal

VOC (less exempt solvents):

Clear 171 g/L - 1.43 lb/gal as per 40 CFR 59.406
Cedar 175 g/L - 1.46 lb/gal as per 40 CFR 59.406
Redwood 179 g/L - 1.49 lb/gal as per 40 CFR 59.406

Spread Rate: 200-350 sq. ft. per gallon, porosity and texture dependent

Film Thickness: @ 4 mils wet; 2.1 mils dry

Penetration will vary depending on substrate porosity & water content and the application method used. New wood will typically require less material than older, weathered wood. Older weathered wood is more porous than newer wood.

Drying Time (@ 77°F, 50% R.H.):

Note: Drying times are temperature, humidity and film thickness dependant. Colder temperatures, higher humidity, and thicker films will take longer to dry.

To Touch: 1 hour
To Recoat: 4 hours min., 7 days max.
Light Foot Traffic: 16 hours
Furniture/Heavy Foot Traffic: 24 hours

Tinting: Universal colorants

Colors: Semi-transparent

Sizes: Gallon, 5 Gallon

As of 6/25/13, complies with:

OTC	✓
EC	✓
SCAQMD	
CARB	✓
LADCO	✓

Product Data Sheet

Surface Preparation

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

To ensure proper adhesion, the surface to be painted must be free of dirt, dust, oil, grease, wax, rust, and any other surface contaminants. Clean surface using an appropriate cleaner to remove dust and dirt. Rinse thoroughly and allow to dry. Sand or scrape surface lightly to remove any loose paint and to smooth old surfaces. Dull glossy surfaces by using 150 grit sandpaper. Fill cracks and holes with spackling paste to smooth uneven areas. When dry, sand and clean before spot priming.

Bare Redwood, Cedar, Fir, Pine or Other Hardwoods: Sand weathered wood to new. Mill glaze, a glossy finish found on new, smooth sawn wood or on the peaks of some textured wood, must be removed with an appropriate stain and sealer remover to ensure the proper adhesion to stain.

Bare Pressure-Treated Wood: Pressure treated wood must quickly absorb water sprinkled on the surface or it may not absorb stain. If water beads on surface, allow wood to age 2 weeks and retest absorbency. If weathering exceeds one month, power wash or sand to a fresh surface before applying product. This product may be applied to damp surfaces.

Previously Stained Wood: Weathered stain left on the surface may cause unevenness in the final color or prevent penetration and adhesion of the new stain. Completely remove any deteriorated stain with scraper, wire brush, or sandpaper. Sprinkle water on surface. If water beads on surface, remove previous stain by sanding, power washing, or with an appropriate stain/sealer remover. Re-test prior to staining.

Mildew: Remove before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the mildewed area for 10 minutes. Rinse thoroughly with water and allow surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. **DO NOT ADD DETERGENTS OR AMMONIA TO THE BLEACH/WATER SOLUTION.**

Clean Up

Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with mineral spirits to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using mineral spirits.

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Application

Temperature (air, surface and material):
Apply at temperatures between 50°F and 90°F

DO NOT APPLY MORE THAN 2 COATS. For a 2 coat application, the second coat must be applied within 7 days of the first coat, otherwise the second coat may not penetrate or adhere properly. Do not apply if rain is expected within 24 hours after application.

DO NOT THIN. Apply at package consistency.

No reduction necessary.

Airless Spray:

Pressure..... 2000 psi
Tip..... .015" - .017"

Brush:

Brush..... Nylon/polyester

Roller:

Cover..... 3/8" – 3/4" synthetic

Tips to Improve Performance

- Clean the surface thoroughly.
- Prepare the substrate to create a uniform surface.

To achieve color accuracy, stain a small area and allow to dry prior to staining the entire surface. Stain heavy traffic areas first, then proceed to stain the entire deck surface including re-stain over the heavy traffic areas.

All stains tend to lap (dark areas where two freshly coated areas overlap). To minimize this occurrence:

- Do not stain in direct sunlight or on a hot surface
- Always stain into a wet edge
- Use two coats on badly weathered or unfinished wood
- Apply a second coat when lap marks appear on the first (do not apply more two coats)

Cautions

- Protect from freezing
- For exterior use only
- Do not use on roofs

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of Pratt & Lambert Paints. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Pratt & Lambert dealer or representative to obtain the most recent Product Data Sheet.