

Product Data Sheet



S1697 / D1697

StainShield® Semi-Transparent Oil Deck & Siding Stain provides long lasting beauty and protection by forming a protective barrier which repels damaging water and ultra-violet rays. It produces a durable finish and highlights the natural beauty of the wood by showing both the wood grain and texture.

- Highlights the natural beauty of wood, allowing the wood's natural grain and texture to show through
- Maximum protection
- Seals surface from water penetration
- Guards against the sun's UV rays
- Protects wood from cupping, splitting, and cracking on decks

Recommended Uses

For use on exterior decks, wood siding, pressure-treated wood, rough sawn lumber, trim, fences, railings, outdoor furniture and lattice work

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

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

Smooth Lumber

1 or 2 coats StainShield® Semi-Transparent Oil Deck & Siding Stain
If second coat must be applied for proper color development, apply "wet on wet", within 20-60 minutes after first coat. DO NOT APPLY MORE THAN 2 COATS.

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 or 2 coats of StainShield® Semi-Transparent Oil Deck & Siding Stain
If second coat must be applied for proper color development, apply "wet on wet", within 20-60 minutes after first coat. If second coat is not applied within 20-60 minutes after the first coat, product must be allowed to weather a minimum of one year before additional coats may be added.

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

DO NOT APPLY MORE THAN 2 COATS.

Technical Data

Vehicle: Alkyd

Finish: 0-5 @ 85°

Flash Point: 105°F, PMCC

Volume Solids: 30 ± 2%

Weight Solids: 37 ± 2%

Weight/Gallon: 7.2 lb/gal

VOC (less exempt solvents): VOC: 540 g/L - 4.51 lb/gal as per 40 CFR 59.406

Spread Rate: 350-400 sq. ft. per gallon, porosity and texture dependent

Film Thickness: @ 4 mils wet; 1.2 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: 30 minutes – 1 hour

To Recoat: 30 minutes – 1 hour

To Use: 16 hours

Furniture/Heavy Foot Traffic: 24 hours

Reduction: Mineral Spirits

Tinting: Universal colorants

Colors: Semi-transparent

Sizes: Gallon, 5 Gallon

As of 7/1/13, complies with:

OTC
EC
SCAQMD
CARB
LADCO

**MPI Spec #: 33

S1697 is not compliant in any VOC area.

****Please refer to the MPI Approved Products website for the most current list of approved Pratt & Lambert products.**
<http://www.paintinfo.com/mpi/approved/index.shtml>

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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.

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, spatters and tools immediately after use with mineral spirits. 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 above 35°F and below 90°F

DO NOT APPLY MORE THAN 2 COATS. If a second coat is needed for proper color development, apply wet-on-wet within 20-60 minutes of the first coat. If the second coat is not applied within 60 minutes, the second coat may not penetrate or adhere properly and the surface must then weather until water does not bead up on the surface. This may take up to 1 year before more coating can be applied. 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.....	1500 psi
Tip.....	.015" - .017"

Conventional Spray:

Air Pressure.....	40 psi
Fluid Pressure.....	20 psi
Tip.....	704/FF

Brush:

Brush.....	Natural bristle
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Roller:

Cover.....	3/8" lambswool
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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 than two coats)

Cautions

- For exterior use only
- Do not use on roofs
- **DO NOT USE** as an untinted clear finish or on asbestos-cement surfaces, roofs, or when a previous coat of stain is not prepared correctly.

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.