

Product Data Sheet



PRATT & LAMBERT PAINTS
Never compromise™

StainShield® Solid Hide Latex Siding Stain

Z1490 / F1490 Series

StainShield® Solid Hide Latex Siding Stain is a penetrating, 100% acrylic latex stain that produces a lasting, durable finish with excellent color retention on siding. StainShield® Solid Hide Latex Stain highlights the natural beauty of wood, guards against ultraviolet rays and blocks tannin staining.

- Self-priming formula on new wood
- Protects the surface from the sun's damaging UV rays
- Effectively blocks wood tannins from bleeding woods
- Seals the surface from moisture penetration
- 8 year warranty
- Low temperature application

Recommended Uses

For use on exterior pressure-treated lumber, smooth or rough sawn lumber, shakes and shingles, outdoor furniture, fences, trim, cedar, and redwood. DO NOT USE on cementitious surfaces, such as concrete tile and terrazzo or roofs.

Recommended Systems

Roughsawn Lumber, Shakes, Shingles, Smooth Lumber

Severely bleeding woods may require use of Pro-Hide® Gold Exterior Alkyd Stainblocking Primer over knots or heavy pitch staining

2 coats of StainShield® Solid Color Latex Siding Stain

Re-Stain:

Spot prime bare areas of severely bleeding woods with Pro-Hide® Gold Exterior Alkyd Stainblocking Primer

1 or 2 coats of StainShield® Solid Color Latex Siding Stain

Note: When applying over tannin staining woods such as cedar or redwood, apply the first coat liberally and allow to dry completely, a minimum of two hours. If tannin staining occurs, the first coat will discolor as the stains are trapped within. Test a small area to ensure stains do not bleed through the second coat before coating entire surface. Refer to Product Detail for drying times in various temperatures.

Technical Data

Vehicle: 100% Acrylic

Finish: 5-15 @ 85°

Flash Point: N/A

Volume Solids*: 34 ± 2%

Weight Solids*: 51 ± 2%

Weight/Gallon*: 11.1 lb/gal

VOC (less exempt solvents)*: VOC: 94 g/L – 0.78 lb/gal as per 40 CFR 49.506

Spread Rate: 200-400 sq. ft. per gallon, porosity and texture dependent

Film Thickness*: 4 mils wet; 1.4 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.

* Product data calculated on Base 1 (Z1491)

Drying Time (@ 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: 2 hours

Tinting: Universal colorants

Bases per sheen: Super One-Coat White, Base 1, Base 2, Base 3

Sizes: Gallon, 5 Gallon

As of 6/25/13, complies with:

OTC	✓
EC	✓
SCAQMD	✓
CARB	✓
LADCO	✓
**MPI Spec #:	16

****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.**

Application

Temperature (air, surface and material):
Apply at temperatures above 35°F

DO NOT APPLY MORE THAN 2 COATS. Do not apply if rain is expected within 24 hours after application or if the air or surface temperature may drop below 35°F within 48 hours.

DO NOT THIN. Apply at package consistency.

No reduction necessary.

Airless Spray:

Pressure..... 2000 psi
Tip..... .015" - .019"

Conventional Spray:

Air Pressure..... 40-60 psi
Fluid Pressure..... 20 psi
Tip..... 704/FX

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

- **For exterior use only**
- **Do not use on roofs**
- **Do not use on floors or any horizontal surfaces where water may collect**

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.

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.