

# Product Data Sheet



**PRATT & LAMBERT PAINTS**  
*Never compromise®*

## StainShield® Solid Color Deck Stain

### Z1500 / F1500 Series

StainShield® Solid Color Deck Stain is formulated to provide long lasting beauty and protection for your deck. It is ideal for decks manufactured from composition decking materials. StainShield® Solid Color Deck Stain may be applied to damp surfaces, allowing surfaces to be prepared and stained in one day.

- Resists peeling, blistering, and scuffing
- Excellent adhesion and durability on new, weathered, previously stained or previously painted surfaces
- Protects against cracking, splitting, and warping of wood
- May be applied in temperatures as low as 35°F
- Can be applied to damp surfaces

### Recommended Uses

For use on exterior decks, wood siding, pressure-treated wood, rough sawn lumber, trim, fences, railings, outdoor furniture and lattice work. Ideal for decks manufactured from composition materials.

### Recommended Systems

**Pressure Treated Lumber, Composite Deck Materials**  
2 coats StainShield® 100% Acrylic Solid Color Deck Stain

**Previously Stained or Painted Surfaces**  
1 or 2 coats StainShield® 100% Acrylic Solid Color Deck Stain

Two coats are recommended for maximum durability. One coat may be sufficient for railings, spindles, and surfaces not subjected to foot traffic.

### Technical Data

**Vehicle:** 100% Acrylic

**Finish:** 5-15 @ 85°

**Flash Point:** N/A

**Volume Solids\*:** 40 ± 2%

**Weight Solids\*:** 54 ± 2%

**Weight/Gallon\*:** 10.8 lb/gal

**VOC (less exempt solvents)\*:** VOC: 120 g/L - 1.00 lb/gal as per 40 CFR 59.406

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

**Film Thickness\*:** 4 mils wet; 1.6 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 White/Tint Base (Z1511)

**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  
**Light Foot Traffic:** 16 hours  
**Furniture/Heavy Foot Traffic:** 24 hours

**Tinting:** Pratt & Lambert or BAC Universal colorants

**Bases per sheen:** White/Tint, Deep, Neutral

**Sizes:** Gallon

#### As of 4/15/13, complies with:

OTC	✓
EC	✓
SCAQMD	
CARB	✓
LADCO	✓

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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.**

## StainShield® Solid Color Deck Stain Z1500 Series

## 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..... 2200-2400 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

- For exterior use only
- Do not use on roofs

## 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.