

Product Data Sheet



StainShield® Solid Hide Oil Stain

S2590 / D2590 Series

StainShield® Solid Hide Oil Stain provides a lasting, durable finish that enhances the natural beauty of wood. It offers a protective barrier which repels damaging water and guards against ultra-violet rays.

- Highlights natural wood grain and texture
- Seals surface from water penetration
- Provides protection against damaging UV rays
- Lasting, durable finish
- Can be applied in temperatures as low as 35°F

Recommended Uses

For use on exterior pressure-treated lumber, smooth or rough sawn lumber, shakes and shingles, outdoor furniture, fences, trim, lattice work, cedar, and redwood

Recommended Systems

Rough-sawn Lumber, Shakes, Shingles

1 or 2 coats StainShield® Solid Hide Oil Stain

Smooth Lumber

1 or 2 coats StainShield® Solid Hide Oil Stain

RE-STAIN:

1 or 2 coats StainShield® Solid Hide Oil Stain

DO NOT use on asbestos-cement surfaces, floors, decks, or roofs.

Technical Data

Vehicle: Alkyd

Finish: 0-10 @ 85°

Flash Point: 102°F, PMCC

Volume Solids*: 56 ± 2%

Weight Solids*: 76 ± 2%

Weight/Gallon*: 12.0 lb/gal.

VOC (less exempt solvents)*: VOC: 343 g/L - 2.86 lb/gal as per 40 CFR 59.406

*** Product data calculated on Base 1 (Z2591)**

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

Film Thickness: @ 4 - 6 mils wet; 2.2 - 3.4 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.

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: 6 hours
To Recoat: 16 hours

Reduction: Mineral Spirits

Tinting: Universal colorants

Bases per sheen: Base 1, Base 2, Base 3

Sizes: Gallon, 5 Gallon

As of 6/25/13, complies with:

OTC
EC
SCAQMD
CARB
LADCO

S2500 Series is
not compliant in
any VOC area.

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.

Wood, Pre-Primed Fiberboard, Hardboard, Plywood: Sand any exposed wood to a fresh smooth surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. Remove all sanding dust.

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.**

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Application

Temperature (air, surface and material):

Apply at temperatures above 35°F and below 90°F.

Maintain a wet edge when applying to avoid lap marks. Do not apply if rain is expected within 24 hours after application or if the temperature will drop below 35°F within 24 hours of application.

DO NOT THIN. Apply at package consistency.

No reduction necessary.

Airless Spray:

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

Conventional Spray:

Air Pressure.....	40-50 psi
Fluid Pressure.....	20 psi
Tip.....	704/FX

Brush:

Brush.....	Natural bristle
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Roller:

Cover.....	3/8" – 3/4" 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**

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.

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.