



LIFE™

Product Specifications

#3300

100% Acrylic Fast Drying Stain Killer Primer

Description:

A 100% Acrylic, fast drying primer & stain sealer to stop almost any stain from seeping through the top or finish coat.

Advantages

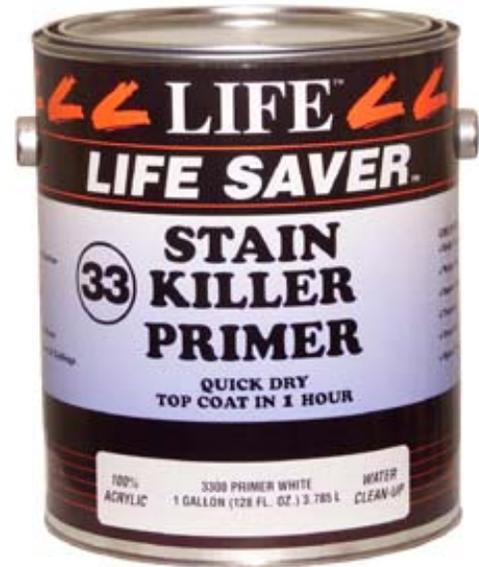
- ✓ Superior stain killing
- ✓ Blocks tough stains
- ✓ Seals water stains
- ✓ Seals tannin stains
- ✓ Dries in 30 minutes- Top coat after 60 minutes
- ✓ Excellent enamel hold out
- ✓ Adheres to hard to paint surfaces
- ✓ Good alkali resistance
- ✓ Excellent adhesion over glossy surfaces
- ✓ Low odor
- ✓ Mildew Resistant

Uses

- ✓ Interior-Exterior
- ✓ Painted or unpainted surfaces
- ✓ Wood
- ✓ Metal/Galvanized and Aluminum
- ✓ Masonry
- ✓ Glossy Surfaces
- ✓ Wood Knots
- ✓ Galvanized metal
- ✓ Bleeding woods, cedar, redwood

Finish: Flat

Limitations: Not intended for use as an exposed surface film. Refer to sales representative, place of purchase, or job specifications for top or finish coat.



Package Size: 5 Gallon, 1 gallon, quart

Surface Preparation: Surface preparation is extremely important for any paint product before it is used. Entire surface must be dry free of loose dirt, dust, loose or peeling paint, mildew, loose rust, and efflorescence. For large, exterior surfaces, water blasting with a minimum of 1500 p.s.i. is usually efficient to remove loose surface properties. If any surface cleaner is used in preparation for coating, rinse thoroughly with water to remove residue.

Mildew: DO NOT PAINT OVER MILDEW. Mildew is a fungus, brown, black, grey or even white in color, and will rapidly grow through any coating applied over it. A solution of 50% household bleach and 50% water will kill the mildew. See precautions on bleach label for handling before using.

Efflorescence: Efflorescence must be removed by sandblasting or thorough wire brushing and scraping followed by washing with a 10% solution of muriatic acid and rinse thoroughly.

Drywall or Acoustical Ceilings: Clean off as much of the stain on the surface as possible. Surface must be free of dirt and dust, loose paint or other contaminants that might interfere with adhesion.

Masonry: Surface must be free from dirt, dust, previous loose material, efflorescence, mildew, form oils and release agents. Form oils and release agents must be sandblasted or wire brushed off.

Metal: Remove all oil and grease marks with a T.S.P. solution. Sand all previous loose material and wire brush all loose rust. If rust is extreme, two coats *may* be required. One coat will seal the rust and the second will block over the rust, protecting seepage to the top or finish coat.

Wood: Surface must be free of dirt, dust, loose and peeling paint, and mildew. Some areas of redwood, such as knot holes or knots, *may* require two coats.

Application: CAUTION: Do not apply when temperatures are below 50°F or expected to drop below 40°F within a 24 hour period. Do not apply in direct sunlight when temperature is above 100°F. Cure and dry times will be affected and performance of the product will then also be affected. Apply with brush, roller or spray.

Roller: **3/8" nap over smooth or slightly textured areas. 1/2" nap over textured areas or wood.**
Spray: **Use tip size .017-.019 with 50 mesh filter.**

Coverage:

Smooth Surfaces	375-425 sq ft per gal
Wood Surfaces	225-275 sq ft per gal
Stucco Surfaces	250-300 sq ft per gal
Heavy Textured Masonry	200-250 sq ft per gal

Thinning: Thinning is not recommended. If spraying, a small amount of water may be added.

Drying Time: To touch, 30-45 minutes. Allow at least 1 hour before applying 2nd coat or finish coat.

Clean-up: Clean tools and hands with warm, soapy water and rinse thoroughly.

Storage: Transport and store in original, unopened, undamaged containers. Keep from freezing.

Technical Services: A technical staff is available for questions concerning the product and its use.

Safety, Health, and Environmental Recommendations: Use appropriate personal protective equipment. Consult label or material safety data sheet, which is available from the manufacturer.

TANNIN STAIN BLOCKING

Wood contains naturally occurring compounds called tannins. These compounds are brownish in color and are soluble in water. Woods with the highest concentrations of tannins are redwood, cedar and mahogany.

Because these compounds are water soluble, painting woods with high tannin content with latex paints allows the tannin to dissolve in water in the paint and be deposited in and on the paint film. If a second coat of paint is applied, the tannins are again dissolved and pulled into the second coat of paint as the water leaves the paint film.

Life's 3300 Stain Blocking Primer contains active ingredients that interact chemically with the tannins, rendering them insoluble in water. The tannins migrate into the primer film, visibly staining it, but because of the interaction are blocked from dissolving and bleeding into the top coat. Extreme concentrations of tannins in some pieces of wood may require a second coat of Life's 3300 Stain Blocking Primer.

List of Stain Tests and Results

The 3300 Primer was placed over the stain at a recommended mil thickness and then recoated in one hour with an appropriate top or finish coat for application. Waiting longer than one hour before recoating will increase stain blocking performance. For extreme fire damage or massive redwood bleeding, please call for technical assistance.

<u>Stain or Surface</u>	<u>% of Stain Blockage</u>	<u>Adhesion Result</u>	
Acetone Based Marker	100%		
Crayon	100%		
Blue, Red, & Purple Ink	100%		
Spray Paint (xylene based)	100%		
Redwood Tannin	90%		
Cedar Tannin	100%		
Mustard	100%		
Ketchup	100%		
Hot Sauce (tomato & vinegar based)	100%		
Cigarette Smoke	100%		
Minor Fire Damage	100%		
Dirt (water stained)	100%		
Rust (water stained)	95%		
Rust (metal)	100%		
Glossy Surface			Excellent
Galvanized Metal			Excellent (slow cure)
Oil Base Coating (DTM Hi Gloss, 1 week cured, not sanded)			Excellent

Technical Information

Type: Acrylic Copolymer	Viscosity: 105-110 KREBS Units at 77°F
Diluent: Water	Flash Point: 150 °F
Solids Content: 49-54% by weight 38-43% by volume	Maximum V.O.C.: 100 grams per liter

This product contains chemicals known to the State of California to cause cancer, birth defects and reproductive harm. The maximum V.O.C. of this product does not exceed 100 grams/liter. WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. Contact the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.