

Product Data Sheet



RedSeal® Ultra Moisture-Resistant Exterior Waterborne

Z1900 / F1900 Series – Flat
Z1800 / F1800 Series – Eggshell
Z3100 / F3100 Series – Satin

RedSeal® Exterior Ultra Moisture-Resistant Paint is a premium quality waterborne latex paint that applies smoothly, provides exceptional durability and color retention, and gives a mildew-resistant coating. With excellent resistance to moisture after only 1-1/2 hours dry time, and application in temperatures as low as 35°F, it helps to improve productivity by reducing the impact of adverse weather.

- Excellent resistance to moisture after only 1-1/2 hours dry time – reduces impact of adverse weather
- Exceptional durability
- Provides a mildew-resistant coating
- May be applied in temperatures as low as 35°F

Recommended Uses

Recommended for siding, shingles, trim, doors, window frames, shutters, wood, metal, aluminum, vinyl, and masonry and previously painted surfaces

Recommended Systems

Vinyl, Aluminum, Galvanized Steel, Previously Painted Surfaces

No primer necessary
 1-2 coats RedSeal® Ultra Moisture-Resistant Exterior Waterborne

Masonry, Stucco (cured 7+ days)

1 coat Pro-Hide® Gold Ext Acrylic Cement and Stucco Primer
 1-2 coats RedSeal® Ultra Moisture-Resistant Exterior Waterborne

Masonry, Stucco (cured 30+ days)

1 coat Pratt & Lambert® Multi-Purpose Waterborne Primer
 1-2 coats RedSeal® Ultra Moisture-Resistant Exterior Waterborne

Concrete Block

For a filled effect, use 1 coat Pro-Hide® Silver Latex Block Filler
 1-2 coats RedSeal® Ultra Moisture-Resistant Exterior Waterborne

Wood, Hardboard

1 coat Pratt & Lambert® Multi-Purpose Waterborne Primer OR
 1 coat Pratt & Lambert® Multi-Surface Oil Base Primer
 1-2 coats RedSeal® Ultra Moisture-Resistant Exterior Waterborne

Cedar, Redwood

Pratt & Lambert® Multi-Surface Oil Base Primer
 1-2 coats RedSeal® Ultra Moisture-Resistant Exterior Waterborne

Steel

1 coat Pratt & Lambert® Multi-Purpose Waterborne Primer
 1-2 coats RedSeal® Ultra Moisture-Resistant Exterior Waterborne

Technical Data

Vehicle:	100% Acrylic Latex	
Finish:	Flat	0-5 units @ 85°
	Eggshell	10-20 units @ 60°
	Satin	35-45 units @ 60°
Flash Point:	N/A	
Volume Solids*:	Flat	37 ± 2%
	Eggshell	37 ± 2%
	Satin	35 ± 2%
Weight Solids*:	Flat	57 ± 2%
	Eggshell	50 ± 2%
	Satin	45 ± 2%
Weight/Gallon*:	Flat	12.1 lb/gal
	Eggshell	10.5 lb/gal
	Satin	9.9 lb/gal
VOC:	VOC < 50g/L – 0.42 lb/gal as per 40 CFR 59.406	
Spread Rate:	400 sq. ft. per gallon, porosity and texture dependent	
Film Thickness*:	Flat	@ 4 mils wet; 1.5 mils dry
	Eggshell	@ 4 mils wet; 1.5 mils dry
	Satin	@ 4 mils wet; 1.4 mils dry

* Product data calculated on Base 1

Drying Time (@ 77°F, 50% R.H.):

To Touch:	30 min
To Recoat:	4 hours

Note: Drying times are temperature, humidity and film thickness dependant.

Reduction: Water

Tinting: Universal colorants

Bases/Colors Per Sheen:	Fl	Eg	Sa
Super One-Coat White	✓	✓	✓
Black	✓	✓	✓
Base 1/White	✓	✓	✓
Base 2	✓	✓	✓
Base 3	✓	✓	✓

Sizes: Quart, Gallon, 5 Gallon

As of 5/5/14, Complies with:

	Fl	Eg	Sa
OTC	✓	✓	✓
EC	✓	✓	✓
SCAQMD	✓	✓	✓
CARB	✓	✓	✓
LADCO	✓	✓	✓
**MPI Spec #:		15	11

****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. Rinse thoroughly and allow to dry. Sand or scrape surface 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 remove sanding dust before spot priming.

Vinyl: Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly.

Aluminum and Galvanized Steel: Wash with appropriate cleaner to remove any oil, grease, or other surface contamination. Remove all corrosion with sandpaper, steel wool, or other abrading method.

Masonry, Concrete Block: All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Pro-Hide® Gold Acrylic Cement & Stucco Primer. Cracks, voids, and other holes should be repaired with an elastomeric patch or sealant.

Stucco: Remove any loose stucco, efflorescence or laitance. Allow new stucco to cure at least 30 days before painting. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Pro-Hide® Gold Acrylic Cement & Stucco Primer. Cracks, voids, and other holes should be repaired with an elastomeric patch or sealant.

Wood, Pre-Primed Fiberboard, Hardboard, Cedar, Redwood, 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. All patched areas must be primed.

Steel: Remove rust and mill scale using sandpaper, steel wool, or other abrading method. Prime bare steel the same day as cleaned.

Caulking: Fill gaps between windows, doors, trim, and other through-wall openings with the appropriate caulk after priming the surface.

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 surface for 10 minutes. Rinse thoroughly with water and allow the 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.**

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.

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Application

Unpainted surfaces require one coat of the appropriate primer and two topcoats. Previously painted surfaces require two topcoats. **TWO TOPCOATS REQUIRED FOR WARRANTY.** Apply product when surface, air and product temperature is above 35°F and at least 5°F above the dew point. Avoid using if rain or snow is expected within 1-1/2 hours. Do not apply when air or surface temperature may drop below 35°F within 48 hours. On large expanses of metal siding, the air, surface and product temperature must be 50°F or higher.

Airless Spray:

Pressure.....	2000 -2100 psi
Tip.....	.017" - .021"
Reduction.....	Not necessary

Conventional Spray:

Air Pressure.....	40-60 psi
Fluid Pressure.....	10-20 psi
Tip.....	704/E
Reduction.....	Up to 1 pint water/gallon

Brush:

Brush.....	Nylon/polyester
Reduction.....	Not recommended

Roller:

Cover.....	3/8" - 3/4" synthetic
Reduction.....	Not recommended

Tips to Improve Performance

- Clean the surface thoroughly
- Prepare the substrate to create a uniform surface
- Patch cracks, crevices, and through-wall openings using proper sealant or patch
- Fill voids and openings around windows and doors using proper sealant or patch
- Caulk as needed using quality latex or paintable siliconized latex caulk or sealant

Cautions

- **Protect from freezing**
- **For exterior use only**
- **Not for use on horizontal surfaces or where water will collect**

Clean Up

Clean spills and splatters 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.