

# PRODUCT

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# INFORMATION



## Steeltech®

### Latex Wash Primer Z1

#### DESCRIPTION :

Steeltech® Latex Wash Primer is a revolutionary pretreatment wash primer for aluminum and galvanized substrates. Unlike traditional pretreatment acid wash primers, Steeltech® Latex Wash Primer is water based. It contains no heavy metals such as chromates. Plus Steeltech® Latex Wash Primer is a single component product, eliminating the need to mix the base component with the acid component.

Steeltech® Latex Wash Primer may be used for the same applications you would normally use an acid wash primer. Steeltech® Latex Wash Primer will accept epoxy and urethane topcoats without fear of intercoat delamination.

Steeltech® Latex Wash Primer is user friendly, too. It does not have the critical dry film thickness that other pretreatment primers have. Steeltech® Latex Wash Primer can be applied almost three times thicker, and still won't fail due to intercoat stresses. This low VOC formulated product is compliant to the most stringent regulations.

#### USES :

Metal racking	Trailer frames
Galvanized decking	Aluminum framing
Electrical boxes	

**SIZES :** Available in 1 gallon and 5 gallon containers.

#### SURFACE PREPARATION :

Surface must be free of dirt, oil, moisture, grease, and other contaminants. Clean according to SSPC SP-1 using water reducible cleaners. **DO NOT USE HYDROCARBON SOLVENTS.** Ferrous Metal-should be cleaned according to SSPC SP-2 or SP-3. For optimum protection blast clean according to SP-6. Galvanizing-should be exterior weathered for 6 months prior to painting. Clean according to SSPC SP-1 using water reducible cleaners. **DO NOT USE HYDROCARBON SOLVENTS.** Remove chromate treatments by abrasive blasting.

#### TECHNICAL DATA

<b>Vehicle:</b>	Acrylic
<b>Color:</b>	Yellow-Green
<b>Sheen:</b>	Flat
<b>Flash Point:</b>	200°F
<b>% Solids:</b>	By Volume: 21.0%
<b>VOC Level:</b>	1.20 lbs./gal. (143 gm/l) maximum
<b>Rec. Film Thickness:</b>	3.4 - 6.4 mils wet film
<b>Rec. Film Thickness:</b>	0.7 - 1.3 mils dry film
<b>Spreading Rate:</b>	240-470 sq. ft./gal.
<b>Pot Life:</b>	N/A
<b>Shelf Life:</b>	12 months

**Application:** Apply by airless, air-assisted, conventional or HVLP spray. Brushing okay for smaller areas.

**Drying Time @ 77°F (25°C):** Set to touch 2 hrs. Tack free: 2 hours. Dry to topcoat min. 2 hrs., max. 30 days.

**Thinning/Cleanup:** Do Not Thin. Clean up with warm soapy water followed by solvent flush.

**Limitations:** NOT INTENDED FOR IMMERSION SERVICE. Do not apply when surface temperature is less than 5° (3°C) above the dew point. Do not apply to surface temperatures below 50°. **SUBSTRATE MUST BE CLEANED USING WATER-REDUCIBLE CLEANERS. DO NOT USE HYDROCARBON SOLVENTS.**

#### FOR INDUSTRIAL USE ONLY

Technical Information Line:  
1-800-BUY-PRAT (1-800-289-7728)

Website Address:  
[www.prattandlambert.com](http://www.prattandlambert.com)

## Application

- Airless:** .015 to .017 orifice tip  
1500 psi
- Conventional:** 50 to 55 psi atomization pressure  
15 to 20 psi fluid pressure  
Aircap; 63PB  
Fluid Cap; 66
- Brush:** Acceptable for small areas  
Nylon/Polyester
- Roller:** Acceptable for small areas  
Synthetic

## PHYSICAL TEST DATA\*

\*Testing based on:

- one coat at 1.0 mil DFT
- aluminum substrate
- SSPC SP-1 surface preparation

- Adhesion (ASTM D3359)  
Result: Passes 5B
- Pencil Hardness (ASTM D3363)  
Result: Passes F
- Impact (direct- ASTM D2794)  
Result: 160 in.lbs.
- Flexibility (ASTM D522) 180° bend, 1/8" mandrel  
Result: Passes

## RECOMMENDED SYSTEMS

### STEEL, ALUMINUM, GALVANIZING:

(water based topcoats)

- 1 coat Steeltech® Latex Wash Primer at 0.7 - 1.2 mils DFT/coat

(and)

- 1 coat Enducryl DTM Gloss Acrylic (Z6600 series) at 2.5 to 4.0 mils DFT

or

- 1 coat Enducryl® HP Water-Based Epoxy (Z7100 series) at 4.0 - 6.0 mils DFT

or

- 1 coat Steeltech® Acrylic Prime or Finish Z190 (tinted) at 2.0 -3.0 mils DFT

### STEEL, ALUMINUM, GALVANIZING:

(solvent based topcoats)

- 1 coat Steeltech® Latex Wash Primer at 0.7 - 1.2 mils DFT/coat

(and)

- 1 coat Techgard® Hi-Build Epoxy Mastic (S5800 series) at 5.0 to 10.0 mils DFT

or

- 1 coat Palgard Gloss or Satin Epoxy S3400 series at 1.5 mils DFT

or

- 1 coat Techgard® HS Acrylic Urethane (S6500 series) at 3.0 to 6.0 mils DFT

For Additional Recommended Coating Systems Contact Your Pratt & Lambert Sales Executive.

