

# PRODUCT

## INFORMATION



## Palgard® Epoxy

**S3400 - White/Tint Base, S3401 - Base 1, S3492 - Base 2  
S3493 - Base 3, S3410 Base 1S3410 - Black, S3415 - Clear,  
S3420 - Safety Red, S3440 -Safety Yellow  
S3498 - Gloss Activator, S3496 - Satin Activator**

### Description:

Palgard® Epoxy is a two component, polyamide cured, epoxy enamel coating for industrial maintenance use. Its excellent adhesion properties to a variety of substrates.

Palgard® Epoxy's user-friendly application characteristics makes it the choice from "do-it-yourself" painters up to even the most experienced painting contractor. Available in either a Gloss or Satin finish, Palgard is like two products in one, making it an extremely versatile coating. Palgard® Epoxy S3400 series is formulated to be lead and chromate free, and meets the requirements of USDA for incidental food contact.

### USES :

Marine vessels	Pipelines
Structural steel	Storage tank exterior
Machinery	Hand rails
Shop equipment	Shower walls
Concrete floors	Block walls

### SIZES :

Available in 2 gallon kits in various colors. Base 1 also available in 10 gallon kits.

### SURFACE PREPARATION :

Surface must be free of dirt, oil, grease, and rust. Ferrous Metal - must be primed prior to painting. For optimum performance in severe environments, clean according to SSPC SP-6, commercial blast and prime with Steeltech Epoxy Primer. Galvanizing - Prepare according to SP-2 or SP-3. Concrete - must be blasted prior to coating.

**MIXING:** (1:1 ratio) Mix base component and activator separately. Add activator to base component and mix until completely blended.

**TINTING:** Use P&L Colorants or 844's

### TECHNICAL DATA

<b>Vehicle:</b>	Polyamide Cured Epoxy
<b>Components:</b>	Two (colors: white, black, clear, Safety Red, Safety Yellow)
<b>Sheen:</b>	High Gloss or Satin
<b>Flash Point:</b>	95°F
<b>% Solids:</b>	By Volume: 50.0%
<b>VOC Level:</b>	3.50 lbs./gal. (420 gm/l) max. activated
<b>Rec. Film Thickness:</b>	1.5 - 2.0 mils dry film (approx. 400 – 530 sq. ft./gal. theoretical)
<b>Pot Life:</b>	12 hours (@ 77°F/50%RH)
<b>Shelf Life:</b>	2 years
<b>Induction Time:</b>	60 MINS.

**Application:** Apply by airless or conventional spray, brush or roller.

**Drying Time @ 77°F (25°C):** Set to touch 3 hrs. Dry to handle 16 hrs. Dry recoat min. 16 hrs; max. 2 weeks.

**Thinning/Cleanup:** Not normally required. Clean up with lacquer thinner.

**Limitations:** NOT INTENDED FOR IMMERSION SERVICE. Do not apply when surface temperature is less than 5°F (3°C) above the dew point. Primer required when painting ferrous metal in moderately corrosive environments. Concrete must be cured for 28 days prior to painting.

**Heat Resistance:** Up to 250°F dry heat (121°C)

### FOR INDUSTRIAL USE ONLY

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

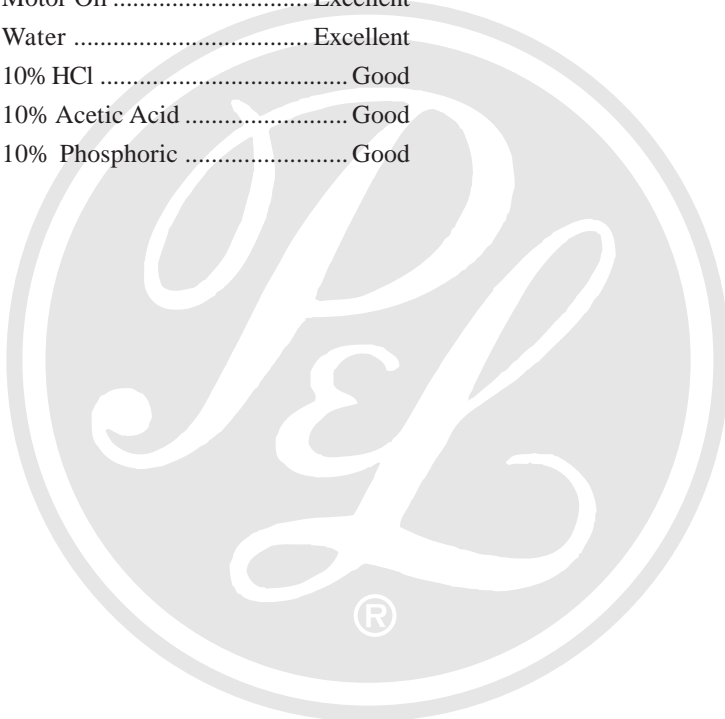
**Application:** ~~Website~~ Add Equipment  
[www.prattandlambert.com](http://www.prattandlambert.com)

## APPLICATION

- Airless:** .017 - .019 orifice tip  
2000 - 2200 psi
- Conventional:** 55 - 65 psi atomization pressure  
10 - 20 psi fluid pressure  
Aircap; 69PB  
Fluid Cap; 66
- Brush/Roller:** Use "as is"

## PHYSICAL TEST DATA

- Abrasion (ASTM D4060) 112mg Loss  
(CS-17 wheel, 1000g load, 1000 cycles)
- Chemical Resistance: (24 hr. Spot Test)
  - 50% Sodium Hydroxide ..... Very Good
  - Motor Oil ..... Excellent
  - Water ..... Excellent
  - 10% HCl ..... Good
  - 10% Acetic Acid ..... Good
  - 10% Phosphoric ..... Good



## RECOMMENDED SYSTEMS

### FERROUS METAL, GALVANIZING, ALUMINUM: (mild environment)

#### INTERIOR EXPOSURE

- 1 or 2 coats Steeltech Epoxy Primer, S3355 or S3344 series at 1.5 - 2.0 mils DFT/coat

### FERROUS METAL (moderate environment)

#### INTERIOR OR EXTERIOR EXPOSURE

- 1 coat Steeltech Epoxy Primer, S3355 or S3344 series at 3.0 - 5.0 mils DFT  
(and)  
• 1 or 2 coats Palgard Epoxy S3400 series at 1.5 - 2.0 mils DFT/coat  
or  
• 1 coat Steeltech Epoxy Mastic Prime or Finish, S3608 at 4.0 - 8.0 mils DFT  
(and)  
• 1 or 2 coats Palgard Epoxy\* S3400 series at 1.5 - 2.0 mils DFT/coat  
\*note: epoxies chalk in exterior exposure

### GALVANIZING, ALUMINUM: (moderate)

#### INTERIOR OR EXTERIOR EXPOSURE

- 1 coat Latex Wash Primer (Z1) at 1.0 mils DFT  
(and)  
• 1 or 2 coats Palgard Epoxy\* S3400 series at 1.5 - 2.0 mils DFT/coat  
\*note: epoxies chalk in exterior exposure

### MASONRY, BLOCK:

- 1 or 2 coats Pro-Hide Z8465 block filler at recommended DFT/coat  
(and)  
• 1 or 2 coats Palgard Epoxy S3400 series at 1.5 - 2.0 mils DFT/coat

### CONCRETE FLOORS:

- 2 or 3 coats Palgard Epoxy S3400 series at 1.5 - 2.0 mils DFT/coat

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