

PRODUCT

INFORMATION



Techgard® Maintenance Gloss Enamel

Colors:

S4500-White, S4510-Black, S4520-Safety Red, S4540-Safety Yellow, S4507-Safety Orange,

Tint Bases:

S4591-Base 1, S4592-Base 2, S4593-Base 3

Description:

Techgard® Maintenance Gloss Enamel is a high gloss alkyd enamel designed to provide a durable protective finish on properly prepared steel and aluminum, as well as, a decorative finish for wood, masonry, and light duty concrete floors. Techgard® S4500 series is tough enough for application in industrial and high humidity environments, yet user friendly enough for almost any interior or exterior application requiring a high gloss decorative finish.

Techgard® Maintenance Gloss Enamel is ideal for painting machinery, hand rails, even support steel on large capital structures. When applied over a recommended primer, Techgard® S4500 series provides corrosion protection in some of the most demanding of industrial environments.

USES :

Marine vessels	Hand trucks	Hoists
Benches	Structural steel	Lift trucks
Handrails	Machinery	Motors
Elevators	Piping	Racks
Containers	Mills	Tank exteriors
Shop equipment	Concrete floors	Light poles

SIZES : Available in 1 gallon and 5 gallon containers depending on colors.

SURFACE PREPARATION :

Surface must be free of dirt, oil, moisture, grease, and other contaminants. Ferrous Metal - should be primed for better protection. Concrete - acid etch or abrasive blast prior to painting.

MIXING: Mix well before use.

Vehicle:	Alkyd
Components:	One (colors: white, black, safety red, yellow, orange, blue, and 3 tinting bases)
Sheen:	High Gloss
Gloss:	70-80 units @60°
Flash Point:	102°F
% Solids:	By Volume: 47.5%
VOC Level:	3.5 lbs./gal. (420 gm/l) max.
Rec. Film Thickness:	4.0 - 5.0 mils wet film
Rec. Film Thickness:	1.5 - 2.0 mils dry film
Spreading Rate:	approx. 400-500 sq. ft./gal.
Shelf Life:	18 months; Orange 12 months

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

Drying Time @ 77°F (25°C): Set to touch 2 to 3 hrs. Tack free: 6 hrs. Dry to recoat min. 24 hrs., max. 3 days. Addition of colorant will slow dry times.

Primers: Steeltech Shopcoat (S4501, S3102) or Steeltech Rust Inhibitive Primer (S4551, S4556)

Thinning: Not recommended
Cleanup: Mineral Spirits or Xylene

Limitations: NOT INTENDED FOR IMMERSION SERVICE. Do not apply when surface temperature is less than 5°F (3°C) above the dew point. Service life shortened when applied to concrete. Do not apply when surface temperature is less than 50°F. 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)

Website Address:
www.prattandlambert.com

Application: Recommended Equipment

Airless: .015 orifice tip
2500 psi

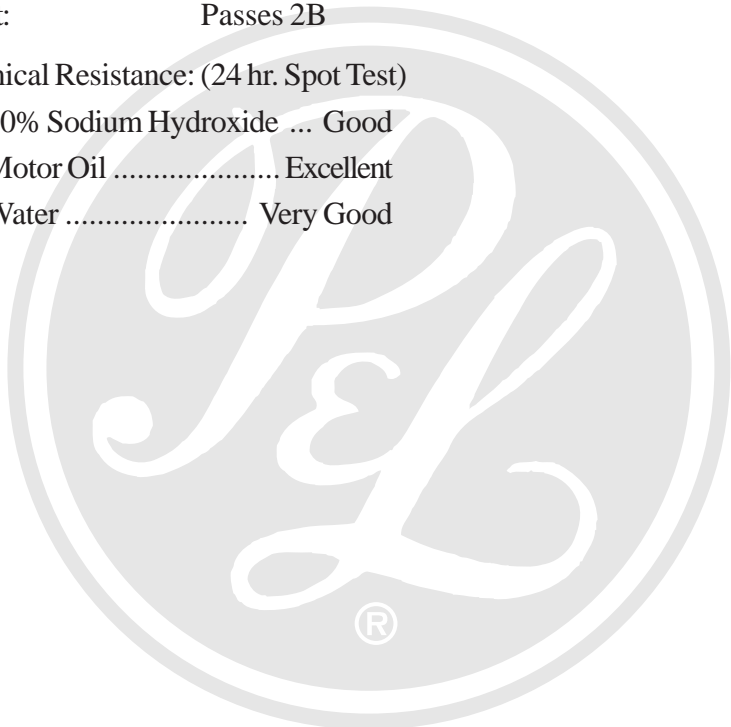
Conventional: 50 - 55 psi atomization pressure
20 - 25 psi fluid pressure
Aircap; 63PB
Fluid Cap; 66

Brush/Roller: Do Not Thin

PHYSICAL TEST DATA:

Substrate: Steel
Surface Preparation: SSPC-SP2
1 ct. Techgard Gloss @ 1.5 mils DFT

- Salt Fog (ASTM B-117)
Result: Passes 500 hours
- Pencil Hardness (ASTM D3363)
Result: Passes 2B
- Chemical Resistance: (24 hr. Spot Test)
 - 50% Sodium Hydroxide ... Good
 - Motor Oil Excellent
 - Water Very Good



RECOMMENDED SYSTEMS

FERROUS METAL:

(mild/indoor environment)

- Techgard® S4500 Maintenance Gloss Enamel at 1.5 - 2.0 mils DFT/coat

FERROUS METAL:

(all other environments)

- 1 coat Steeltech® Alkyd Shopcoat Primer (S4501 or S3102) at 2.0 mils DFT

or

- 1 coat Steeltech® Rust Inhibitive Metal Primer (S4551 or S4556) at 2.0 mils DFT

(and)

- 1 or 2 coats Techgard® S4500 series at 1.5 - 2.0 mils DFT/coat

ALUMINUM:

- 1 coat Steeltech® Universal Acrylic HP Primer at 2.0 - 4.0 mils DFT

(and)

- 1 or 2 coats Techgard® S4500 series Maintenance Gloss Enamel at 1.5 - 2.0 mils DFT/coat

MASONRY/CONCRETE BLOCK:

- 1 coat Enducryl® Heavy Duty Block Filler, Z8465 at recommended thickness

(and)

- 1 or 2 coats Techgard® S4500 series Maintenance Gloss Enamel at 1.5 - 2.0 mils DFT/coat

CONCRETE FLOORS: (for aesthetics only)

- 2 or 3 coats Techgard S4500 series at 1.5 - 2.0 mils DFT/coat