

PRODUCT

INFORMATION



Steeltech®

Rust Inhibitive Metal Primer

S4556 Red; S4551 Gray

DESCRIPTION :

Steeltech® Rust Inhibitive Metal Primers are heavy duty, high quality, alkyd primers for priming structural steel, miscellaneous fabricated metal parts, and other ferrous metal substrates. The high volume solids produces increased coverage rates and one coat application. One 2.5 mil thick coat will protect a steel substrate for up to 6 months prior to topcoating or enclosing the structure.

Steeltech® Rust Inhibitive Metal Primers are rust inhibitive, providing superior corrosion protection for capital structures, even in marine environments. In addition, these primers have been tested by independent laboratories and found to produce excellent adhesion for mineral fiber fire proofing products.

Steeltech® Rust Inhibitive Metal Primers, S4556 and S4551, may be welded-through during erection to produce sound welds. They are formulated without the use of lead or chromate pigments, and meet or exceed the performance requirements of TT-P-636. Both colors are VOC compliant below 3.5 lbs./gal. (420g/l).

USES :

Marine structures	Hand trucks	Hoists
Structural steel	Racking	Handrails
Machinery	Piping	Tank exteriors
Equipment	Bar joists	

SIZES: Available in 1 gallon cans, 5 gallon pails, and Red in 53 gallon drums.

SURFACE PREPARATION :

All steel must be free of dirt, oil, moisture, grease, mill scale, and rust. May be applied over SSPC SP-2 or SP-3. For best results prepare surface according to SSPC SP-7, brush-blast clean.

MIXING: Mix well before use.

TECHNICAL DATA

Vehicle:	Alkyd
Components:	One (colors: red and gray)
Sheen:	Flat
Flash Point:	102°F
% Solids:	By Volume: 55.0%
VOC Level:	3.5 lbs./gal. (420 gm/l) maximum
Rec. Film Thickness:	4.0 -5.0 mils wet film
Rec. Film Thickness:	2.0 -2.5 mils dry film
Spreading Rate:	350 to 420 sq. ft./gal.
Pot Life:	N/A
Shelf Life:	12 months

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

Drying Time @ 77°F (25°C): Set to touch 15 mins. Tack free: 2 hrs. Dry to topcoat minimum 12 hrs., max. 48 hrs. After maximum topcoat time, 48 hours. Otherwise, primed surface must be abraded prior to recoating or topcoating.

Topcoats: See recommended systems

Thinning: Not recommended
Cleanup: Mineral Spirits.

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

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

PHYSICAL TEST DATA*

- Adhesion (ASTM D3359): Passes 5B
- Salt Fog (ASTM B-117): Passes 500 hours
- Taber Abrasion (ASTM D4060): 30mg Loss
(CS-17 wheel, 1000g load, 1000 cycles)
- Chemical Resistance: (24 hr. Spot Test)
 - 50% Sodium Hydroxide Very Good
 - Motor Oil Very Good
 - Water Very Good
 - Ammonia Poor
 - Acids Fair

*Testing based on:

- one coat at 2.5 mils DFT
- steel substrate (smooth)
- SSPC SP-1 surface preparation

Application: Recommended Equipment

- Airless:** .015 orifice tip
2000 - 2200 psi
- Conventional:** 45 - 55 psi atomization pressure
15 - 25 psi fluid pressure
Aircap; 63PB
Fluid Cap; 63C
- Brush/Roller:** Do Not Thin

RECOMMENDED SYSTEMS

FERROUS METAL:

(mild environments - indoors; and under approved mineral fiber fireproofing)

- 1 or 2 coats Steeltech® Rust Inhibitive Metal Primers S4556 or S4551 at 2.0 - 2.5 mils DFT/coat

FERROUS METAL:

(moderate environments - exterior exposure)

- 1 coat Steeltech® Rust Inhibitive Metal Primers S4556 or S4551 at 2.0 - 2.5 mils DFT

(and)

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

or

- 1 coat Steeltech® Rust Inhibitive Metal Primers S4556 or S4551 at 2.0 - 2.5 mils DFT

(and)

- 1 or 2 coats Enducryl DTM Acrylic Enamel at 2.5 -4.0 mils DFT/coat

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

