

PRODUCT

INFORMATION



Steeltech® VOC Shopcoat Primer SA3102

DESCRIPTION:

Steeltech® VOC Shopcoat Primer is formulated as a protective coating for structural steel and miscellaneous metal parts subjected to mild urban and rural environments. One 2 to 3 mil coat will provide protection for 3 to 6 months, until the structure is enclosed or the steel topcoated. It is compatible with alkyd, latex or acrylic topcoats.

Steeltech® VOC Shopcoat's high volume solids makes it an economical prime coat with good coverage rates and excellent hiding power. It dries to a tough film capable of protecting the substrate during transit to the job site and during erection. It does not have a tendency to skin-off as easily as other oil based primers and dries to a hard finish which will accept alkyd topcoats without fear of alligatoring or cracking the topcoat.

Steeltech® VOC Shopcoat may be welded-through during erection to produce sound welds. It is formulated without the use of lead or chromate pigments, and has contains only a 2.76 lbs./gal (331 gm/l) VOC level.

USES:

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

SIZES: Available in 5 gallon pails and 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:	Oil Based Alkyd
Components:	One (color: gray)
Sheen:	Flat
Flash Point:	95°F
% Solids:	By Volume: 57.0%
VOC Level:	2.76 lbs./gal. (331 gm/l) maximum
Rec. Film Thickness:	2.0-3.0 mils dry film
Spreading Rate:	400 sq. ft./gal. @ 2.0 mils dry film thickness (theoretical)
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 30 mins. Dry to handle 1 hour. Dry to topcoat minimum 6 hrs.
Thinning:	Not required
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)

INDUSTRIAL USE ONLY

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

Website Address:
www.prattandlambert.com

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APPLICATION:

Application: Recommended Equipment

Airless: .015 - .019 orifice tip
1800 - 2000 psi

Conventional: 50 psi atomization pressure
15 - 25 psi fluid pressure
Aircap; 63PB
Fluid Cap; 63C

Brush/Roller: Natural Bristle

PHYSICAL TEST DATA*

- Salt Fog (ASTM B-117): Passes 100 hours
- Chemical Resistance: (24 hr. Spot Test)
 - 50% Sodium Hydroxide Very Good
 - Motor Oil Good
 - Water Very Good
 - Ammonia Good
 - Acids Poor

*Testing based on:

- one coat at 3.0 mils DFT
- steel substrate (smooth)
- SSPC SP-1 surface preparation

RECOMMENDED SYSTEMS

FERROUS METAL:

(mild environments- indoors)

- 1 coat Steeltech® VOC Shopcoat Primer SA3102 at 2.0 - 3.0 mils DFT

(and)

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

FERROUS METAL:

(moderate environments- exterior exposure)

- 1 coat Steeltech® VOC Shopcoat Primer SA3102 at 2.0 - 3.0 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® VOC Shopcoat Primer SA3102 at 2.0 mils -3.0 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.