

PRODUCT

INFORMATION



Steeltech®

Acrylic Prime or Finish Z190

DESCRIPTION :

Steeltech® Acrylic Prime or Finish is a rust inhibitive, water based primer designed for application directly to properly prepared steel, aluminum, and galvanized substrates. Its moisture resistant properties prevent flash rusting and make it ideal for both new construction and maintenance applications.

Steeltech® Acrylic Prime or Finish may also be used as a finish coat where a low sheen finish is desirable. In this case, the second coat may be tinted to provide a corrosion resistant, yet aesthetically pleasing low sheen finish.

Steeltech® Acrylic Prime or Finish has increased volume solids, resulting in better hiding and greater coverage. Because it is water based, it may be used in most any indoor application where a low odor paint system is required. This low VOC formulated product is compliant to the most stringent regulations.

USES :

Bar joists	Hand trucks	Hoists
Galvanized ductwork	Bins	Lift trucks
Handrails	Drums	Machinery
Motors	Piping	
Racks	Trash containers	
Fire doors	Tank exteriors	
Utility trailers	Shop equipment	

SIZES : Available in 1 gallon and 5 gallon containers.

SURFACE PREPARATION :

Surface must be free of dirt, oil, moisture, grease, and other contaminants. 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. Remove chromate pretreatments by abrasive blasting. Do not use hydrocarbon solvents for cleaning.

MIXING: Mix well before use.

APPLICATION: Apply by airless or conventional spray. Brushing okay for smaller areas.

TECHNICAL DATA

Vehicle:	100% Acrylic Emulsion
Components:	One (color: white, tintable with up to 4 ounces of colorant/gallon)
Sheen:	Low Sheen (5-10 units @ 85°)
Flash Point:	140°F
% Solids:	By Volume: 45.0%
VOC Level:	1.25 lbs./gal. (150 gm/l) maximum
Rec. Film Thickness:	5.0-10.0 mils dry film
Rec. Film Thickness:	2.5-5.0 mils dry film
Spreading Rate:	150-290 square feet per gallon for 3.0 mils dry film
Pot Life:	N/A
Shelf Life:	3 years
Drying Time @ 77°F (25°C):	Set to touch 40 mins. Dry to tack free 4 hrs. Dry to recoat with water based coatings, 4 hrs.
Cleanup:	Clean up with warm soapy water followed by solvent flush.
Thinning:	Not recommended

Limitations: NOT INTENDED FOR IMMERSION SERVICE. Do not apply when surface temperature is less than 5°F (3°C) above the dew point. When tinting second coat as a low sheen finish, use only P&L Colorants. Do not apply to surface temperatures below 50°.

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 D4541): Passes 500 psi
- Pencil Hardness (ASTM D3363): Passes H
- Impact (direct- ASTM G14): Passes 140 in.lbs.
- Salt Fog (ASTM B-117): Passes 500 hours (2 coats)

*Testing based on:

- one coat at 2.5 - 3.0 mils DFT
- steel substrate
- SSPC SP-2 surface prep.

Application: Recommended Equipment

Airless: .015 to .019 orifice tip
2000 psi

Conventional: 50 to 60 psi atomization pressure
20 to 25 psi fluid pressure
Aircap; 63PB
Fluid Cap; 66

Brush/Roller: Do Not Thin



RECOMMENDED SYSTEMS

FERROUS METAL:

- 1 or 2 coats Steeltech Acrylic Prime or Finish Z190 at 2.0 - 3.0 mils DFT/coat

(and)

- 1 coat Enducryl DTM Acrylic at 2.5 to 4.0 mils DFT

or

- 1 or 2 coats Enducryl® Water-Based Epoxy series at 2.5-3.0 mils DFT/coat

FOR LOW SHEEN FINISH-

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

(and)

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

ALUMINUM AND GALVANIZED METAL:

- 1 or 2 coats Steeltech Acrylic Prime or Finish Z190 at 2.0 - 3.0 mils DFT/coat

(and)

- 1 coat Enducryl DTM Acrylic at 2.5 to 4.0 mils DFT

or

- 1 or 2 coats Enducryl® Water-Based Epoxy series at 2.5-3.0 mils DFT/coat

FOR LOW SHEEN FINISH-

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

(and)

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

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