

TowerPlex TOWER PAINT

Product Description

A 100% acrylic emulsion coating formulated for use on antenna towers with excellent adhesion to galvanized.

Where to Use

This product is specifically designed for use on galvanized antenna towers.

Product Characteristics

Color Aviation White (CC2919) & Aviation Orange (CC2920)

Gloss Flat

Architectural and Industrial Maintenance Category Antenna Coatings

<u>Drying Time</u>	<u>Temperature</u>	<u>To Touch</u>	<u>To Recoat</u>
	75°F / 55% R.H.	1 hour	2 hours

(Cooler temperatures and higher humidity will lengthen drying time)

Conformance Standards It meets Federal Standard 595 color #17875 White and color #12197 Orange. Also complies with national Bureau of Standards report NBS1R75-663 and F.A.A. A/C70/7460-1K Rev Date 2/01/07. Consult your product representative for specific job recommendations.

Preparation & Priming

Surface Preparation **Existing Towers:** Must be dry. Spot prime all rusted areas and remove any contaminants including chalk, dirt, grease, failing paint, etc. Prior to application, prepare substrate in accordance with SSPC-SP1 standards. On unpainted surfaces, clean contaminants such as dirt, white Zinc oxide, etc. and spot prime rusted areas.

New Galvanize: Must be dry. Clean all oil, grease, or other contaminants in accordance with SSPC-SP1 standards. For maximum performance and when feasible, if spangle is present it is recommended to brush blast to gray galvanize or etch with hydrochloric acid until weathered gray appearance is reached. Follow with clear water rinse until surface is free of blast or etch residue. Note: when blasting or etching use caution to avoid removing excess zinc metal.

Primer Coats **Existing Towers:** Spot prime rust areas with CC2925 Waterborne Primer.

New Galvanize: Self-priming or use CC2925 primer for maximum performance.

Mixing & Application

Mixing Stir thoroughly, making sure no pigment remains on the bottom of the can.

Thinning Thin with water only if necessary up to one pint per gallon

Surface Temperature Minimum 50°F, Maximum 110°F - The surface should be dry and the relative humidity should be less than 85%.

Recommended Thickness 1.6-2.0 dry mils per coat. For maximum performance, 3 mils dry is recommended.

Theoretical Coverage 592 ft²/gallon at 1 mil dry, assuming no application losses. Coverage will vary depending on color, the surface texture and application technique.

<u>Coverage Rates per Coat</u>	<u>Dry Mils</u>	<u>Wet Mils</u>	<u>Ft²/gal</u>
<u>Suggested</u>	2.0	5.4	296
<u>Minimum</u>	1.6	4.4	370
<u>Maximum</u>	3.0	8.1	197

Application Considerations Apply by brush, mitt, roller, or spray. When the temperature is above 90°F make sure that full wet coats are applied, overlapping each pass 50% to avoid dusting. Material can freeze. Avoid applying when overnight freeze or rain is possible. Coverage will vary depending on surface texture, equipment in use, application methods, and experience of the applicator.

TOWERPLEX AVIATION COATING SERIES

Mixing & Application Continued

<u>Application Equipment</u>	<u>Airless Spray</u>	Pressure	1800-2400 psi
		Tip	0.015"-0.017"
	<u>Conventional Spray</u>	Air Pressure	40-70 psi
		Fluid Pressure	10-20 psi
	<u>Roller</u>	Use appropriate nap synthetic covers.	
	<u>Brush</u>	Use high quality synthetic or nylon bristle brushes.	
<u>Touch-Up</u>	Proper touch-up is accomplished by applying a thin coat of this product over a well coated surface using the same method of application as used to apply the finish coat, that is, spray over spray, roller over roller. If the finish coat is sprayed, it is also possible to spray a small amount into an empty container, then touching up with a foam brush. Touch up should be done within 5°F of the original temperature.		

Technical Information

<u>Solids by Volume</u>	36.90% – Varies by Color		
<u>AIM Category VOC Limit</u>	4.4 lb/gal (530 g/l)		
<u>Coating VOC</u>	0.68 lb/gal (82 g/l) – Minus Water and Exempt Materials – Varies by Color		
<u>Material VOC</u>	0.28 lb/gal (34 g/l) – Varies by Color		
<u>Density</u>	11.17 lb/gal (1338 g/l) – Varies by Color		
<u>Packaging</u>	5 Gallon pails, 1 Gallon cans		
<u>Storage Temperature</u>	Minimum 35°F		Maximum 110°F
<u>Physical Properties</u>	<u>Flexibility:</u> Excellent	<u>Weather:</u> Excellent	<u>Abrasion:</u> Good
<u>Heat Resistance</u>	120-150°F Continuous		

Clean-up & Storage

<u>Cleanup</u>	Use soap and water		
<u>Storage Temperature</u>	Minimum 35°F		Maximum 110°F
<u>Shelf Life</u>	Under Normal Conditions (Unopened) – Two Years		

Safety & Important Information

OVEREXPOSURE MAY CAUSE KIDNEY DAMAGE. CAUSES EYE IRRITATION. CONTAINS: ETHYLENE GLYCOL.

Use only with adequate ventilation. Avoid breathing vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes. Wash thoroughly after handling. **KEEP OUT OF REACH OF CHILDREN.**

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. WARNING! Sanding or scraping pressure treated lumber may be hazardous; wear appropriate protection.

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LIMITED WARRANTY: The technical data on this label or on other data is true and accurate to the best of our knowledge. We guarantee our products to conform to manufacturer quality control standards. Due to misuse in handling, storage, application and workmanship or variables such as weather or surface integrity that are beyond our control, the manufacturer does not authorize any representative to make any warranty or merchantability of fitness of this product. Any liability whatsoever of manufacturer to the buyer or user of this product is limited to the purchaser's cost of the product itself.