



ROHN NO PRIME WATER BASE TOWER PAINT **for use on untreated galvanized surfaces**

Cut Your Installation Costs

Tower White and Tower Orange are protective coatings formulated with a vinyl/acrylic emulsion resin providing long-term protection and performance. These coatings offer excellent resistance to weathering, ease of application and freedom from fire hazard. Meets FAA regulations for color coding transmission towers. Federal Standard No. 595 Colors, 12197 and 17875.

Preparation

Galvanized Surfaces: It is not necessary to etch or weather new galvanized surfaces. Remove all deteriorated coatings by scraping or wirebrushing. Remove grease, oil, salt, white rust, or dirt by washing with a suitable detergent solution. No primer necessary except where galvanizing has been damaged, then spot prime with zinc dust primer.

Application

These products are formulated specifically for application to galvanized steel towers by paint mittens, air atomized spray or airless spray. May be applied as a one coat system. However, to assure maximum color uniformity and hiding, application of an additional coat may be desired. Will also perform well over uncoated galvanized metal surfaces and wood.

Clean Up With Soap and Water	
Physical Characteristics	
Type Vehicle	Blended Vinyl Acrylic Emulsion
Type Solvent	Water
Flash Point	Non-Flammable
Contains No Lead	
Heat Resistance	180° F, 82° C
Finish	Flat
Drying Time at 70° F (21°C) and 50% Relative Humidity	
Touch	1 hour
Recoat	2-4 hours
Hard	3-4 weeks
Coverage	200-400 Square feet per gallon at the recommended dry film thickness of 1-2 mils.
Order PNTNP05 (orange) or PNTNPW9 (white) 11#/gallon	

March 15, 1992

ROHN Tower Field Treating & Painting Specifications

All instruments of authorization for tower licensing, wherever antenna structures must be painted, clearly outline the manner in which such structures are to be marked. Under no circumstances is there to be any deviation, as F.C.C.'s Field Engineering & Monitoring Bureau has a tight inspection schedule and could issue violation notices to licensees who have not complied.

The pertinent rule section to be observed is:

Antenna structures shall be painted throughout their height with alternate bands of aviation surface orange and white, terminating with aviation surface orange bands at both top and bottom. The width of the bands shall be approximately one-seventh the height of the structure; however, the bands shall not be more than 100 feet nor less than 1-1/2 feet in width. All towers shall be cleaned or repainted as often as necessary to maintain good visibility.

Suggested procedures for treating and painting towers in the field are:

1. Treating Galvanized Surfaces for Oil Based Paints:

- Prior to painting, the surface of all tower parts shall be treated by applying with a brush a chemical solution containing the following:
 - 2 ounces each – Copper Chloride/Copper Nitrate/Sal Ammoniac, available from ROHN in one package (ROHN Part Number T1)
 - 2 ounces Muriatic Acid, obtain locally (Note: Muriatic Acid is extremely dangerous and should be treated carefully. Wear protective clothing, i.e. gloves, face masks/shields, glasses, etc. Follow the instructions on the container. ROHN takes no responsibility for improper use of Muriatic Acid).
 - 1 gallon water

2. The treated surfaces shall again be washed with plain water and allowed to completely dry before applying any paint.

3. Applying Paint:

All surfaces of all parts of the tower, including any exposed steel of the anchors, turnbuckles and cable clamps, shall be painted, except the guy wires and accessories, such as antennas, ladders, bottom of flanges, lights and cables. All bolts and nuts, which have not been painted during assembly shall be painted after erecting.

The paint shall be applied by brushing or spraying, depending on conditions or the erector's option. All surfaces shall be uniformly covered, with no streaks or incompletely covered surfaces permitted.

Before painting, all surfaces shall be clean and free from all foreign matter. All painting shall be done in dry weather for best results. Paint shall not be applied on wet surfaces, nor when the relative humidity exceeds 80%, or when the temperature of the surrounding air or the surface to be painted is 50° F or below.

Steel shall not be handled until paint is thoroughly dry. After erection, the tower paint shall be carefully touched up, assuring proper coverage of all areas to be painted.