

TRAFICRON™ Plus Application Specifications

Fluoropolymer Resin-Basted Coatings System Over Hot Dip Galvanized Substrate **(Superior to Powder Coating 20 Years + Life Expectancy)**

Due to the recent developments in SPCS coatings, specifically, introduction of anti-graffiti high solids fluorinated urethanes to the marketplace the allowable specification is as follows:

1. The coating shall commence as soon as possible, not later than 48 hours after the galvanizing process (providing the product has not been exposed to moisture and is free of any visible oxides).
2. If the 48 hour time frame has expired the pole shall be chemically treated in order to remove existing oxides even if not visible to the naked eye. 48 hour time frame can be extended if each pole has been tightly and individually shrink wrapped immediately after galvanizing to prevent oxygen from reaching the zinc surface.
3. All high points and ash deposits on galvanized surfaces shall be mechanically removed by using a small electric grinder. Sanding discs shall be 120 grit or finer mounted on flexible backing pad. The grinder should be used only on flat surfaces. All corners must be scuffed by soft sanding block to avoid removal of galvanizing. If sweep blasting is the preferred method of cleaning, independent inspection of poles prior to coatings shall take place to insure integrity of galvanized substrate. (Representative from galvanizing shop would suffice). If any delamination or over blasting is detected the poles shall be regalvanized.
4. Poles shall be painted no later than 8 hours after sweep blasting.

The coating system shall consist of:

- a. adhesion promoting primer
 - b. epoxy primer
 - c. The top coat performance is governed by AAMA2604-98 standard. Coating system shall offer a high gloss finish in desired color and combined thickness of at least 3.5mill (DFT)
-
5. Due to the complicated chemistry of the above described system, all applicators must provide sample coated panels to ensure system compatibility and submit them for independent testing by qualified test facility (i.e. Canspan, Vancouver). The results shall be a minimum of 1000 pounds per square inch pull test and x-test performed per ASTM D3359-97 shall be a minimum of 4A
 6. The warranty shall be for minimum of one year for loss of adhesion, peeling or cracking.

*AAMA – American Architectural Manufacturers Association

*SPCS – Superior Performance Coating Systems