

Anodizing Advisory
NOTICE: COLOR VARIATIONS IN ANODIZED POLES

Anodizing is an electro-chemical process resulting in a colored aluminum oxide layer on the aluminum surface. Valmont's available colors are clear/natural, various shades of bronze (light, medium, dark) and black. Anodizing aluminum poles is great for durability, weather resistance, corrosion resistance and does not flake or peel.

Anodizing will inherently result in color variations where there are chemical or physical differences in the materials. Color variations have always been part of the anodizing process and are unavoidable. Studies have shown that color tint will vary due to the variation of the properties in the parent material before, during and after the anodizing process. Differences in the surface properties of the tube caused by cold working fabrication processes such as tapering, die lines, changes in the size, mass or diameter and changes in material composition will all result in color variations of anodized finishes. Extreme color variation occurs between the tube (alloy 6063-T6), castings (alloy 356) and weld metal (alloy 4043). Castings and welds require varying levels of localized touch-up painting to help approximate the color of the anodized product.

Due to the inherent nature of the anodizing process, Valmont does not warrant anodized finishes with regard to consistency and color uniformity. For applications requiring guaranteed consistency in uniformity of color, Valmont recommends thermoset powder paint.



* These approximate color examples may vary from the actual color due to differences in computers and monitors.

TMP8233 10/13 valmontstructures.com carries the most current anodizing information and supersedes these guidelines.