

# PVDF Paint Finish

The Best Defense Against Chalking and Fading



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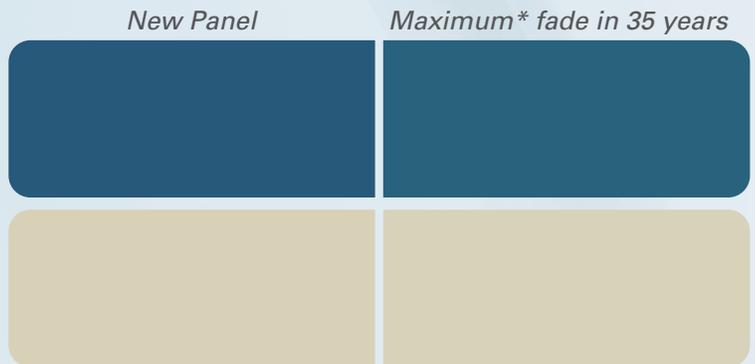
THE WINNING DEFENSE AGAINST NATURE'S OFFENSE

**35 Year**  
COLOR PERFORMANCE  
Warranty

Metal Sales PVDF finish couples premium ceramic pigments with fluoropolymer resins for long life resistance against chalking and color fade. As a result, color performance is warranted for a full 35 years in accordance with ASTM test standards. All metal panel finishes will fade with years of sun exposure. However, panels from Metal Sales with PVDF will look almost as good years from now as they did new. Visit [metalsales.us.com](http://metalsales.us.com) for complete warranty details.

With excellent exterior durability this PVDF steel panel color coating will keep you in the game right thru overtime.

PVDF-coated panels from Metal Sales provide such an outstanding defense against ultraviolet radiation that they are warranted for 35 years against chalking and fading.



## 35 YEAR KYNAR 500 FADE PERFORMANCE CHART

*\*Based on extreme, real outdoor, south Florida exposure performance data; exposure conditions in more northerly climates will likely demonstrate greater performance (less fade). This chart represents a maximum allowable fade over thirty-five years measured as five Hunter Units. This chart is a printed representation and may vary slightly from actual test panels.*

## KYNAR 500 COMPARED TO OTHER COATINGS

**Blue:** 15 years exposure    **Yellow:** 17 years exposure



This exceptional color and gloss retention is not possible with any other coating available today.

Also warranted against blistering, cracking and peeling for 45 years, PVDF coating is architect preferred and your best defense against the rigors of nature, time and atmospheric pollution.

**45 Year**  
**DURABILITY**  
**Warranty**

Demonstrating its competitive edge, PVDF performance leads the league in defense against the sun, weather and pollution. Its carbon-fluorine chemistry creates one of the strongest bonds in the universe. It is warranted against blistering, cracking and peeling for 45 years.

## PVDF Coating System

The PVDF system is tougher than just the front line; its superior performance is a result of a layered, fluoropolymer bonded coating system, each component layer providing a unique performance characteristic.

**Topcoat** | Premium ceramic and inorganic pigmented PVDF (PolyVinylidene DiFluoride) for exceptional color durability and gloss retention

**Primer** | UV and moisture resistant modified polyester, provides corrosion resistance and bonding

**Chemical Rinse** | Acts as a sealer providing additional corrosion protection

**Pretreatment** | Promotes adhesion, moisture and corrosion resistance

**Galvanized or Galvalume®** | Barrier protection on base steel, inhibits corrosion

**Bare Steel** | Mill certified meeting ASTM standards

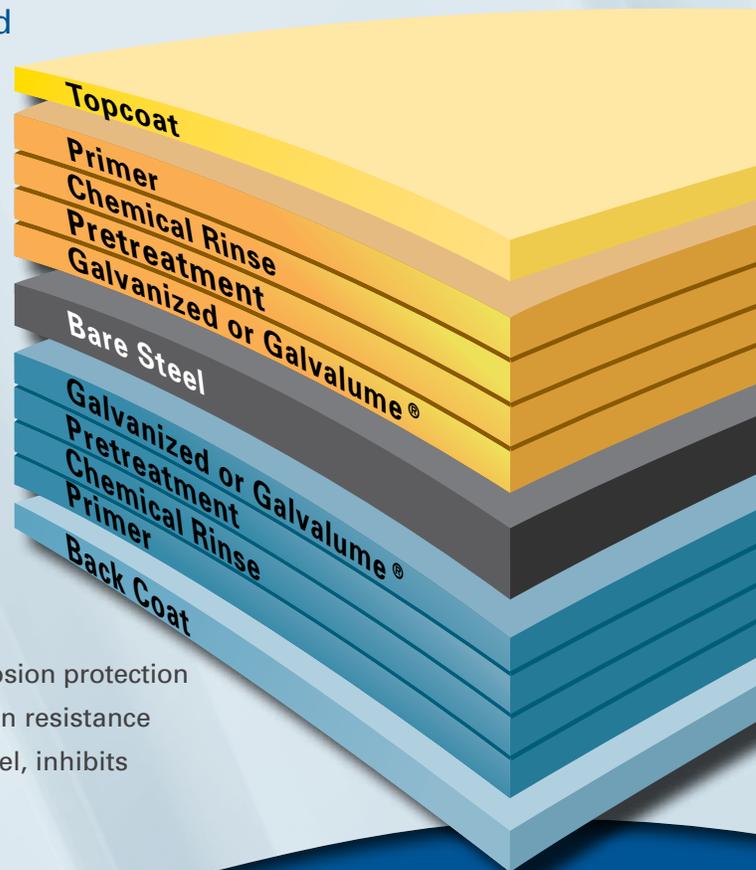
**Galvanized or Galvalume®**

**Pretreatment**

**Chemical Rinse**

**Primer**

**Back Coat** | Finish coat on backside, covers primer and insures consistent color



## Cool Roofing

**Reduce building energy use by up to 50% with select PVDF colors**

Metal Sales recognizes that architects and consumers are becoming more and more interested in ways to make their building project more energy efficient. All of Metal Sales PVDF colors are ENERGY STAR® listed. They use special pigments for solar reflectance to meet ENERGY STAR guidelines.



Metal Sales offers a complete line of metal roof, wall and fascia panels for the commercial, architectural, industrial, residential and agricultural markets. Over 75 profiles with a wide selection of widths, colors and gauges readily available for new construction or retrofit from our 20 manufacturing locations across the country. For more information, visit our website or contact us at **800.406.7387**.

## Test Performance & Specifications

### PVDF Formulated for the 21<sup>st</sup> Century

**Humidity Resistance** – No blistering, cracking, peeling, loss of gloss or softening of the finish after 2000 hours of exposure to 100% humidity at 100°F ±5°F, per Federal Test Method Standard 141, Method 6201 or ASTM D 2247.

**Chalk Resistance** – No chalking greater than #8 rating per ASTM D 4214, Method ASTM D 659 test procedure after a 2000 hour weatherometer test.

**Color Change** – Finish color coat change not to exceed 5 Hunter units per ASTM D 2244 test procedure, after 2000 hour weatherometer test.

**Abrasion Resistance** – Per ASTM D 968, Method A, PVDF will pass 65±5 liters/mil, minimum of falling sand.

**Salt Spray Resistance** – Samples diagonally scored and subjected to 5% neutral salt spray per ASTM B 117, then taped with cellophane tape: 1000 hours-no blistering, and no loss of adhesion greater than 1/8" from score line. Samples taped 1 hour after removal from test cabinet.

Visit [metalsales.us.com](http://metalsales.us.com) for complete specifications, test data and warranties.

## SALES AND MANUFACTURING LOCATIONS

Anchorage, Alaska  
866.640.7663

Bay City, Michigan  
888.777.7640

Deer Lake, Pennsylvania  
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