

# **PVDF (Kynar 500) Paint Finish**

**The Best Defense Against Chalking and Fading**



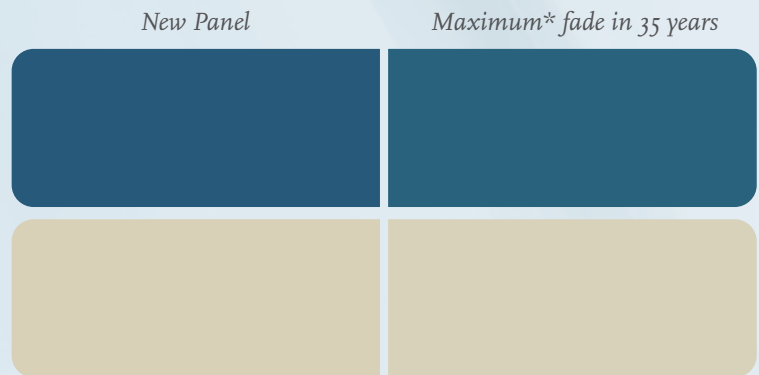
# PVDF (Kynar 500) Finish

THE WINNING DEFENSE AGAINST NATURE'S OFFENSE

**35 Year**  
COLOR PERFORMANCE  
Warranty

Metal Sales PVDF (Kynar 500®) finish couples premium ceramic pigments with fluoropolymer resins for long life resistance against color fading and chalking. 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 (Kynar 500) will look almost as good years from now as they did in their first year. Visit [www.metalsales.us.com](http://www.metalsales.us.com) for complete warranty details.

With excellent exterior durability this PVDF steel panel color coating will keep you in the game right into overtime. PVDF (Kynar 500) coated panels from Metal Sales Manufacturing provide such an outstanding defense against ultraviolet radiation that they are warranted for 35 years against chalking and fading.

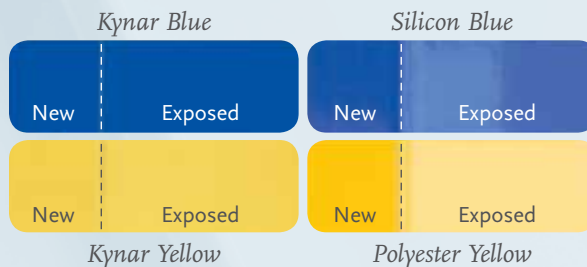


## 35 YEAR KYNAR 500 FADE PERFORMANCE CHART

\* 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 mechanical representation and may vary slightly from actual test panels.

## KYNAR 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 (Kynar 500) coating is architect preferred and your best defense against the rigors of nature and atmospheric pollution.

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

Demonstrating its competitive edge, PVDF (Kynar 500) 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. Visit [www.metalsales.us.com](http://www.metalsales.us.com) for complete warranty details.

## PVDF (Kynar 500) Coating System

The PVDF (Kynar 500) 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 & 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

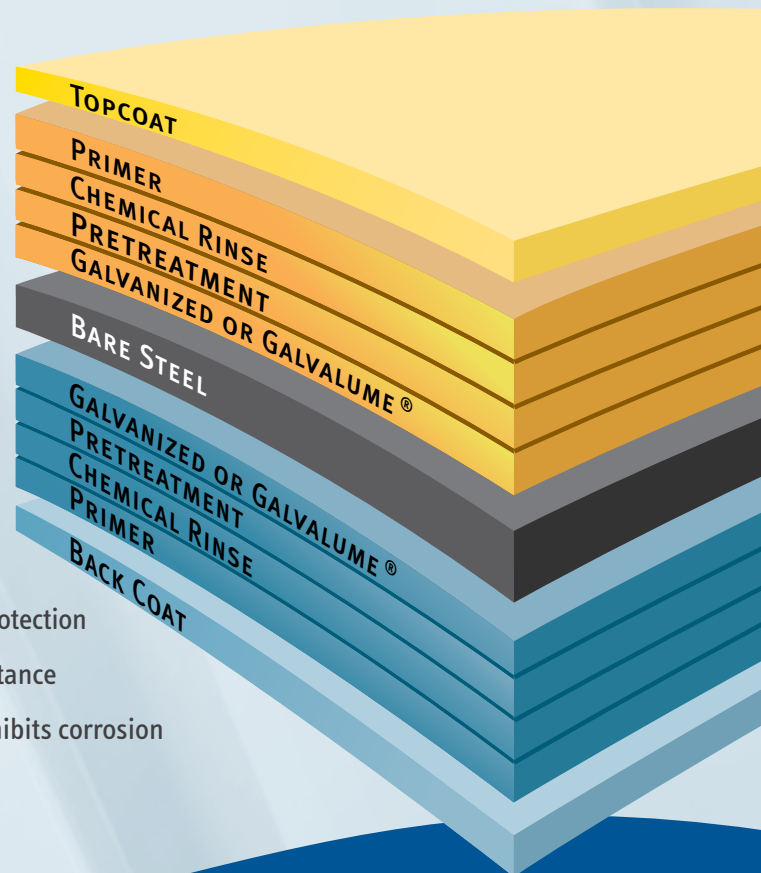
**Galvanized or Galvalume®**

**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 (Kynar 500) colors

Metal Sales recognizes that architects and consumers are becoming more and more concerned with ways of making their building project more energy efficient. All of Metal Sales' PVDF (Kynar 500) colors are ENERGY STAR® listed. They use special pigments for solar reflectance to meet ENERGY STAR guidelines. These

Metal Sales roof panels are "Eligible Building Envelope Components" that qualify for tax credits for consumers and LEED (Leadership in Energy and Environmental Design) credits for architects. See [www.metalsales.us.com](http://www.metalsales.us.com) for complete details and certificates.





**M**etal Sales offers a complete line of metal roof, wall, and fascia panel systems for the commercial, architectural, industrial, residential, and agricultural markets. Metal Sales offers over 75 profiles with a wide selection of widths, colors, and gauges readily available for new construction or retrofit from 20 convenient locations across the country.

For more information, visit our website at [www.metalsales.us.com](http://www.metalsales.us.com) or contact Metal Sales at 800.406.7387.

## Test Performance & Specifications

### PVDF (Kynar 500) 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 (Kynar 500) will pass 30 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.

SEE [WWW.METALSALES.US.COM](http://WWW.METALSALES.US.COM) FOR COMPLETE SPECIFICATIONS, TEST DATA AND WARRANTIES.

## SALES AND MANUFACTURING LOCATIONS

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