

PVDF (Kynar 500) Paint Finish

The Best Defense Against Chalking and Fading



PVDF (Kynar 500) Finish

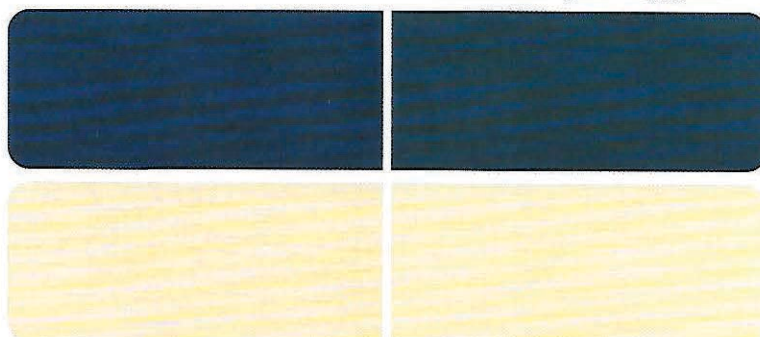
THE WINNING DEFENSE AGAINST NATURE'S OFFENSE

35 Year
COLOR PERFORMANCE
Warranty

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 **KA Constr.** with PVDF (Kynar 500) will look almost as good years from now as they did in their first year.

New Panel

Maximum* fade in 35 years

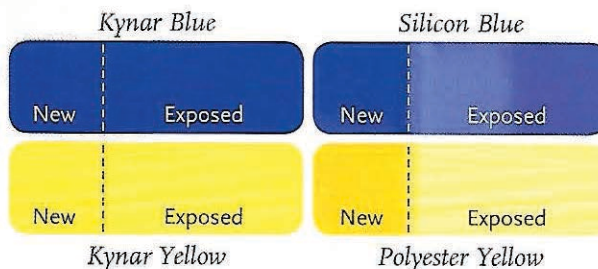


35 YEAR KYNAR 500 FADE PERFORMANCE CHART

* 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



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 **KACR Manufacturing** provide such an outstanding defense against ultraviolet radiation that they are warranted for 35 years against chalking and fading.

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.

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 for complete warranty details.

45 Year
DURABILITY
Warranty

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

Chromate 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

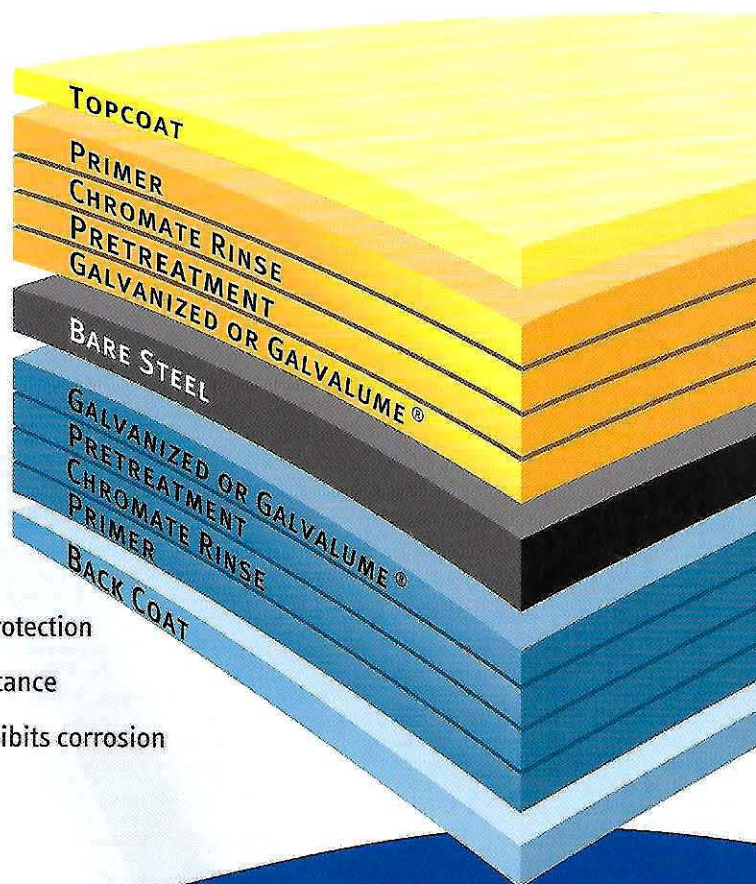
Galvanized or Galvalume®

Pretreatment

Chromate 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



Test Performance & Specifications

PVDF (Kynar 500) Formulated for the 21st 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.



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