



# KYNAR® vs. SMP

808-246-6600 [Info@IslandMetals.com](mailto:Info@IslandMetals.com) [www.IslandMetals.com](http://www.IslandMetals.com)

## Not All Metal Roofs are equal!

What would you want on your roof?



Both Kynar and SMP panels were the same color when installed on this project. The picture was taken 8 years later - Kynar looks the same as the day it was installed while SMP is showing significant color fading and chalking.

Do you want your roof to fade?

## KYNAR® 500 FSF BY ARKEMA

**Island Metals** only uses Kynar color!

Fluoropolymer/PVDF coatings are the industry's BEST performing paint system! Must have 70% PVDF resin in the paint

**Cracking** – No micro-fracturing issues and has a stronger resistance to harsh environments (Hawaii sun, rain, salt air!)

**Fading/Chalking** – The strong chemical foundation of PVDF paint provides superior resistance to fading or chalking!

**Warranty** – Superior 30-year warranty with the strictest allowance for fading/chalking

**Cost** – Island Metals absorbs the higher cost and sells often for the same as SMP!

## SMP

Used by most of our **competitors!**

Silicone Modified Polyester (SMP) has 30% silicone and polyesters in the resin.

**Cracking** – Micro-fracturing during manufacturing which causes metal failure and rusting!

**Fading/Chalking** – UV rays take a toll on the appearance over time, darker colors fade faster with SMP

**Warranty** – 30-year warranty but ALWAYS have less coverage for fading/chalking

**Cost** – Cheaper quality often for cheaper price, get what you pay for



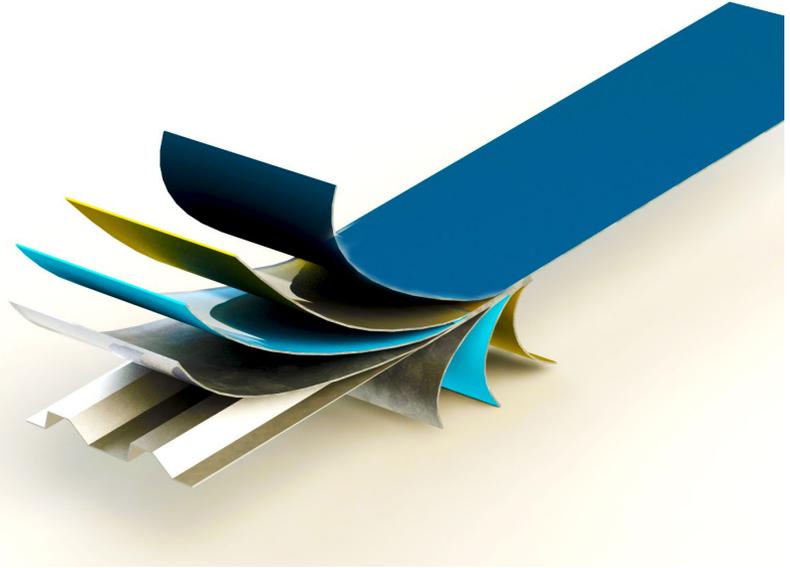
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## PVDF Finish (Kynar®)

### LAYER SYSTEM

-  PVDF PREMIUM PAINT COATING
-  COMMERCIAL GRADE METAL PRIMER
-  CHEMICAL PRETREATMENT LAYER
-  AZ50 GALVALUME CORROSION BARRIER
-  STEEL OR ALUMINUM CORE PANEL
-  AZ50 GALVALUME CORROSION BARRIER
-  CHEMICAL PRETREATMENT LAYER
-  CORROSION RESISTANT PRIMER



## Superior Colors and Long-last Durability

### Colors

Color pigments are selected to mix with the paint to give the look you want. The colors and paint resins are blended to not only give a beautiful look but to have the best durability, resistance to fading, and reflectivity. Island Metals has chosen the color pallet that is perfect for Hawaii, but if there is another color you want then we can special order.

### Coating

Exposure to the sun (ultraviolet rays), rain, humidity, and high temperatures can lead to color changes, chalking, blistering, corrosion, and other physical alterations of the metal coating. The PVDF (Kynar®) coating system provides the industries very best protection. If you are choosing a metal roof, shouldn't it last as long as possible? Island Metals has you covered; all our colored galvalume and aluminum panels are PVDF coated!

### Specifications

Coatings are premium PVDF coating systems with a minimum of 70% fluoropolymer resin. AZ50-AZ55 Galvalume corrosion barrier on all galvalume substrates. Film thickness is 0.15-0.30 mil primer, 0.70-0.90 mil topcoat and 0.30-0.40 mil backer per ASTM D-1005. Gloss of  $30 \pm 5$  at  $60^\circ$  per ASTM D-523. Reflectivity 0.25 (25%) minimum and emittance at 0.80 (80%) minimum per ASTM E-903-9, E-1918-97, C-1371-98. Specification provided by Sherman Williams Coil Coatings and PPG Coatings. Detailed data sheets are available.