

ARKEMA

KYNAR 500[®]FSF[®]

RESIN-BASED METAL
COATINGS FOR
RESIDENTIAL ROOFING



Resin-Based Metal Coatings for Residential Roofing

No Fading, No Chalking, No Chipping

Metal has rapidly become the material of choice for residential roofing. Architects are using it in new and bold ways. Metal is durable, saves energy, and is fire resistant, increases real estate value, and holds its beauty far longer than other roofing materials like composition or wooden shingles.

With all that said, metal must still be protected from weathering by a coating that will keep the appearance looking rich and vibrant year after year. And the premier metal finishes in all the world are those based on Kynar 500® PVDF resins.

Since 1965, Kynar 500® resin-based coatings have provided literally billions of square feet of protection against weathering, aging, and pollution on commercial, industrial, institutional, and residential buildings.

When compared to other metal coating technologies, Kynar 500® resin-based finishes clearly deliver exceptional performance. The panels shown on the next page, compiled by an independent testing laboratory, confirm Kynar 500® resin's superior performance over competing technologies.



Cool Metal Roofing Using KYNAR 500® FSF® Based Coatings

The choice of roofing material has the greatest impact on the energy efficiency of a home. Cool metal roofs coated with Kynar 500® resin-based coatings can reduce energy consumption by up to 40% as reported by the Oak Ridge National Laboratory as part of a total system design. Kynar 500® based painted metal roofing can achieve solar reflectance of over 70%. Reflected solar energy allows the roof surface to remain cooler, which means less heat is transferred into the building, resulting in lower home cooling costs.

Metal roofs coated with Kynar 500® resin-based paints are included on the U.S. EPA's Energy Star Roof Products Program as well as the California Energy Commission's Cool Roof Savings Program.

Metal roofing is tested for wind, fire and hail resistance and is listed within many building codes. Furthermore, tests performed by independent laboratories show Kynar 500® resin-based coatings possess exceptional flame retardant properties in addition to being extremely weatherable, durable and chemically resistant.



KYNAR 500® Resin vs. Competitors

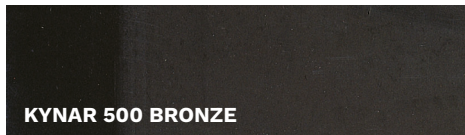
15 Years Exposure

Unexposed | Exposed



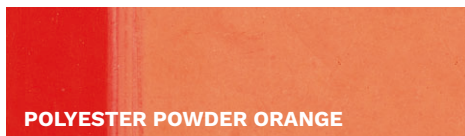
17 Years Exposure

Unexposed | Exposed



17 Years Exposure

Unexposed | Exposed



17 Years Exposure

Unexposed | Exposed



Can you tell where the original roof leaves off and the addition picks up?

Weatherability Means Continuity

This house is located on the shores of Lake Erie in the United States, a region known for fierce winters. An addition was built five years after the initial construction. Obviously, the secret to building a successful addition is making it appear as if it were part of the original project. This can be a serious problem for painted metal unless the coating is based on Kynar 500® resin. Its capacity to retain a color's richness and luster—in the face of extreme weather and general wear and tear—allows you to confidently design additions without disrupting aesthetic continuity.

HOME DEPOT

The experts at Home Depot trust KYNAR 500® resin-based metal coatings to maintain consistent color year after year.





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