

KYNAR 500[®]FSF[®]

Residential metal roofing in New England case study

PVDF-Based COATINGS

Metal has rapidly become the material of choice for commercial roofing and buildings. Metal is durable, saves energy, is fire resistant, increases real estate value, and holds its beauty far longer than other roofing and building materials. Highlighting a few projects using **Kynar 500[®] PVDF** since 1965.



SUMMARY

CASE STUDY

COATING APPLICATOR METAL SUPPLIER

ENGLERT Inc., Pert Amboy, NJ

COATING

Kynar® 500 PVDF-based coatings

INDUSTRY

PVDF-based Coatings

ROOF INSTALLED BY

JEI, Inc. doing business as Iron Horse
Standing Seam Roofing Company
Tunbridge, VT.

KYNAR 500® RESIN BASED METAL COATINGS

Metal has rapidly become the material of choice for commercial roofing and buildings. Metal is durable, saves energy, is fire resistant, increases real estate value, and holds its beauty far longer than other roofing and building materials. Metal must still be protected from weathering by a coating that will keep the appearance looking rich and vibrant for many years. Premier metal finishes are based on KYNAR 500® PVDF from Arkema Inc. Since 1965, KYNAR 500® resin-based metal coatings have provided billions of square feet of protection against weathering, aging, and pollution on commercial, industrial, institutional, and residential buildings.

Residential metal roofing based on Kynar 500®PVDF resin

KYNAR 500® PVDF is a fluoropolymer (polyvinylidene fluoride) used by leading coating formulators as the basic vehicle in producing premium finishes for aluminum and galvanized steel. The liquid, based on KYNAR 500® Fluoropolymer-based coatings, are factory-applied and oven-fused to the properly prepared substrates. These premium finishes exhibit excellent color durability, appearance, flexibility, abrasion and fire resistance.

Roofing components may also be post-formed from coil-coated stock into many exciting shapes and sizes such the as standing seam roofing utilized in the projects pictured in this case study.



New England Roofing

PROJECT PROFILE

HOMES IN NEW ENGLAND

Metal roofing coated with KYNAR 500® PVDF-based material provides years of service with virtually no maintenance and has been utilized in a wide range of applications, from log cabins and barn additions to large homes, multifamily condominiums and large modern estates. KYNAR 500® PVDF-based coatings have been widely used in severe weather areas to reduce snow loading while providing long-term durability and color

retention. ENGLERT Inc. of Perth Amboy, NJ applied the Permacolor finish based on KYNAR 500® PVDF resin to metal roofing fabricated onsite by JEI, Inc. doing business as Iron Horse Standing Seam Roofing. As a quality metal roofing contractor, the owner of Iron Horse Standing Seam Roofing Company, John Kinnarney, claims that he “will only specify a finish based on KYNAR 500® resin on roofing projects that

he installs”. Coatings, based on KYNAR 500® PVDF resin, are used and meet Energy Star specifications for cool, energy-saving roofs. The coating system reflects heat away from the building while increasing the life expectancy of the roof by reducing the expansion and contraction that decreases structural integrity and eliminates oil canning





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