

KYNAR 500® FSF®

Residential metal roofing Case Study

LAKEVIEW CONDO ASSOCIATION

PVDF-Based Coatings



SUMMARY

CASE STUDY

PROJECT

Lakeview Condo Association
Enfield, NH

OWNER

Lakeview Condo Association

CONTRACTOR

Simpson Development

SIZE OF ROOF

80,000 sq. ft. project
over 16 buildings

COATING APPLICATOR

Aetal supplier; ENGLERT inc.,
Perth Amboy, NJ

ROOF INSTALLED BY

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

Kynar 500® PVDF based metal coatings

Metal has rapidly become the material of choice for residential roofing and home builders are using it in new and bold ways. Metal is durable, energy saving, fire resistant, maintains its beauty far longer than other roofing materials and increases real estate value. Still, metal must be protected from weathering by a coating that will preserve its rich and vibrant appearance for many years. Premier metal finishes are with KYNAR 500® PVDF-based coatings 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 with Kynar 500® PVDF-based coatings

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 coating systems, 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 as the standing seam roofing utilized in the projects pictured in this case study.



Lakeview Condo

Project Profile

Lakeview Condo Association, Enfield, NH

Metal roofing coated with KYNAR 500® PVDF-based coatings was chosen to replace the weather damaged asphalt tiles on the Lakeview Condominiums to provide years of service with virtually no maintenance. The Lakeview Condo Association hired Simpson Development to give new life to the 16 buildings, each with 8 family units, located in Enfield, New Hampshire. KYNAR 500® resin-based coatings for metal roofing has 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 Charcoal Permacolor finish to the 80,000 square feet of metal roofing fabricated onsite by JEI, Inc. doing business as Iron Horse Standing Seam Roofing. Coatings with KYNAR 500® PVDF resin, were 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 of the metal surface.





Headquarters: Arkema France

420 rue d'Estienne d'Orves
92705 Colombes Cedex
France
T +33 (0)1 49 00 80 80

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