

# KYNAR 500<sup>®</sup> FSF<sup>®</sup>

BY ARKEMA

PVDF-BASED COATINGS

COMMERCIAL METAL ROOFING CASE STUDY



## Kynar 500<sup>®</sup> 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<sup>®</sup> PVDF resins from Arkema Inc. Since 1965, KYNAR 500<sup>®</sup> 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<sup>®</sup> PVDF resin

KYNAR 500<sup>®</sup> 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, based on KYNAR 500<sup>®</sup> fluoropolymer, 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.



**Project:**  
Summit Seed, Inc. Manteno, Ill.

**Owner:**  
Ron Edwards

**Designer and Builder:**  
FBI Buildings, Remington, IN

**Size of Roof:**  
17,250 sq. ft.

**Coating applicator metal supplier:**  
McElroy Metal, Bossier City, LA

**Coating Supplier:**  
Valspar (Fluropon<sup>®</sup>)

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## SUMMIT SEED, INC.

Summit Seed, Inc, located in Mateno, IL, sells turf grass seed mixtures designed for specific applications including residential lawns, sod producers, golf course, sports turf, and low maintenance turf. This commercial building includes a large warehouse, two-story office area, and large conference rooms. The building was built using McElroy Metal's Max-Rib Ultra panel, featuring a Galvalume substrate coated with a KYNAR 500® PVDF resin-based finish. KYNAR 500® -based metal roofing has been widely used in severe weather areas to reduce snow loading while providing long-term durability and color retention. McElroy Metal of Bossier City, LA supplied the Evergreen and Beige Fluropon® finish to the 17,270 square feet of metal that was installed by FBi Buildings of Remington, IN.



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See MSDS for Health & Safety Considerations

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