

KYNAR 500[®] FSF[®]

BY ARKEMA

PVDF-BASED COATINGS

COMMERCIAL METAL ROOFING CASE STUDY



Kynar 500[®] 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 resins 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[®] 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[®] 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[®])

ARKEMA
INNOVATIVE CHEMISTRY

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 Fluoropon® finish to the 17,270 square feet of metal that was installed by FBi Buildings of Remington, IN.



Arkema France - A French "société anonyme", registered in the Nanterre (France) Trade and Companies Register under the number 319 632 790 VSM - 08/2019 ADV#2019-019

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, Arkema Inc. expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.

See MSDS for Health & Safety Considerations

Kynar®, Kynar 500® and FSF® are registered trademarks belonging to Arkema Inc.

© 2019 Arkema Inc. All rights reserved.

kynar500.com

Contact Information
China: +86 21 61476888
Japan: +81 3 5251 9900
Korea: +82 2 37036700
Singapore: +65 64199199
Taiwan: +886 2 27476979
India: +91 22 24387504

Arkema Inc.
900 First Avenue
King of Prussia, PA 19406
USA
Tel.: (+1) 610-205-7000
arkema-inc.com

ARKEMA
INNOVATIVE CHEMISTRY

Headquarters: Arkema France
420, rue d'Estienne d'Orves
92705 Colombes Cedex - France
Tel.: +33 (0)1 49 00 80 80
Fax: +33 (0)1 49 00 83 96
arkema.com