

# Kynar Aquatec™

## WATER-BASED PVDF FIELD APPLICATION CASE STUDY



### PROJECT PROFILE – CONROE ISD, HOUSTON, TX

Conroe ISD in Houston, TX had a problem. Although their metal roof components still looked good after 10 plus years of exposure to the Texas sun, they were experiencing leaks at the seams and fasteners. Sealing these areas would also mean recoating the roof components to ensure uniform color throughout.

KynaKote, a Kynar Aquatec™ emulsion-based paint manufactured by ER Systems was used on this job. KynaKote was used on the metal as both a primer, before sealing the seams and fasteners, and as the finish coat. KynaKote exhibits exceptional adhesion to metal components featuring a Kynar 500® based coating and provides improved adhesion for many types of sealants. KynaKote was used as a finish coat due to its high durability and excellent color stability.

### METAL RESTORATION

Coatings based on Kynar Aquatec™ can now be applied in the field to protect metal surfaces with a weatherable fluoropolymer based finish. This enables metal surfaces to be touched-up, repaired, or restored. A non-cool metal roof can easily be converted to a white cool roof, the color of the roof can be changed to match building décor, and faded colors can be restored. And, these coatings have good adhesion to previously coated surfaces including Kynar 500® based coatings and acrylic coatings.

**Project:**  
Conroe ISD

**Coating:**  
KynaKote

**Coating Supplier:**  
ER Systems  
Rockford, MN

Photograph courtesy of  
ER Systems, Rockford, MN



## KYNAR AQUATEC™: A WATER-BASED FLUOROPOLYMER PLATFORM

Kynar Aquatec™ is a new innovative platform of emulsions, which are used by paint formulators to make premium weatherable water-based coatings. Coatings formulated with these emulsions can provide the durability and performance of traditional Kynar 500® based coatings. They can be easily applied to a variety of substrates, including metals, plastics, wood, concrete, textiles, and previously painted surfaces.

Now the extreme weatherability of a Kynar 500® based coating is available in a VOC-compliant, field- or factory-applied, ambient air-dry system. Additional benefits include tremendous resistance to dirt pick-up, outstanding water repellency, and high initial and long-term Total Solar Reflectance and Emissivity.

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