

## Case Study

# RheTech, Inc. Storage Tank Coating

## OEM

### The Customer

RheTech, Inc. is one of the leading producers of filled & reinforced polypropylenes, engineered resins, color concentrates and additives. The company houses new and used plastic pellets for use in various automotive, consumer and industrial markets, in storage tanks which measure approximately 85' tall and 16' in diameter.

### The Location

Fowlerville, Michigan

### The Challenge

To cost-efficiently and effectively clean and coat seven of the company's 19 outdoor steel storage tanks in need of maintenance due to exposure to the elements.

### The Solution

An AMERLOCK® 2 and AMERSHIELD™ system  
The surface preparation used was a low pressure water cleaning (<5000 psi) with a rust-inhibiting additive to prevent the recurrence of rust during the blast, cleaning and contamination removal processes. NACE 4, SSPC-SP7 Brush Blast was used on tight existing coatings and NACE 6, SSPC-SP8 on corroded areas that required deeper preparation. Once the surface was clean and free of contaminants, PCE, LLC (Protective Coatings Epoxy Systems, an industrial coatings contractor) applied approximately 50 gallons of Amerlock 2 epoxy coating. The final step involved the application of Amershield polyurethane which required approximately 100 gallons.

### The Benefit

The surface tolerance and high performance characteristics of Amerlock 2 epoxy, makes it an ideal choice for general maintenance coating for old and new steel alike. The ability to recoat with adherent rust remaining on the prepared surface proved beneficial on this project. Protecting these outdoor storage tanks with a top coat of Amershield will provide superior weather resistance along with lasting color and gloss retention.

### The Result

Upon completion of the project in July 2014, the like-new appearance of the storage tanks was remarkable. The project was timely and cost-efficient and as a result, seven to nine additional tanks are slated for cleaning and coating in the spring of 2015.



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