

case study

TriFLEX™ Reduces Labor and Dry Time on Gulf Coast Tank Recoating Project

A major Gulf Coast refining complex needed a coating solution for a storage tank recoating project located near a public roadway. Because of the tank's location, the project team needed a system that could support demanding exterior service conditions while helping reduce application complexity, project duration, and emissions.

The project was completed in the field using manual roller application. Instead of relying on a traditional three-coat system, the team selected TriFLEX™, APC's high-performance coating system designed to streamline application while providing long-term exterior protection.

Traditional tank recoating projects often require multiple products, application steps, and dry times between coats. In field conditions, those added steps can increase schedule pressure, weather exposure, inspection requirements, and the potential for delays.

On this project, TriFLEX™ simplified the process by replacing a traditional three-coat system with a two-coat application. The result was a more efficient workflow that reduced coating application labor, shortened dry time, and helped return the asset to service faster.

Customer Benefit

+ reduced recoat dry time
+ reduced labor
+ DTM technology
+ lowered VOC's
+ UV stability / longevity

TriFLEX™



Designed for Field Application

The tank was located near a public roadway, making application control and low-emission performance important considerations. TriFLEX™ supported the project by allowing the team to use standard PPE and ventilation while managing the application with a roller to help reduce overspray concerns.

The surface was prepared to SSPC-SP 6 commercial blast, and the coating was applied in the field using a manual roller method. This allowed the project team to complete the work in a controlled, practical way while reducing the number of coating steps compared to a traditional system.

For exterior storage tank recoating, efficiency is not only about applying the coating faster. It is about reducing the number of steps, limiting downtime, improving schedule confidence, and lowering the risk of project delays.

TriFLEX™ helped the project team simplify the recoating process while still supporting the durability and protection required for a demanding refinery environment.

For asset owners, that means a more efficient path to long-term exterior protection. For applicators, it means fewer coats, less complexity, and a more manageable field application process.

Project Outcomes

- **Two coats replaced a traditional three-coat system**
- **More than 40% reduction in coating application labor hours and associated costs**
- **75% reduction in VOC emissions compared to a traditional three-coat system**
- **85% reduction in re-coat dry time**
- **20% savings on total project costs, including surface preparation**
- **Reduced exposure to weather-related delays**
- **Reduced application complexity and potential for human error**
- **Projected 25-year service life with weathering and UV protection**