

## Streamlining piping coating operations



**Location:** Shop work for ExxonMobil Beaumont Refinery, Texas

**Applicators:** Trinity Industrial Services, Steel Painters Industrial (Coating shop)

**Method:** Shop-applied using airless spray

**Coating product:** Advanced Polymer Coatings' TriFLEX™ formulated with Proxxima resin system

**Date:** March 2025

ExxonMobil completed a pilot program using the TriFLEX™ coating system in the Beaumont Refinery in Texas. The coating formulation incorporates Proxxima™ polyolefin thermoset resin system into a high-performance solution tailored to the rigorous demands of industrial asset owners.

TriFLEX™ technology was applied to piping in a controlled shop environment. Trinity Industrial Services handled pipe fabrication followed by coating application by Steel Painters Industrial using airless spray. Departing from the traditional three-coat system, the project adopted a single-coat, fast-curing solution that dramatically improved efficiency and reduced costs.



"30% increase  
in coating shop  
throughput"

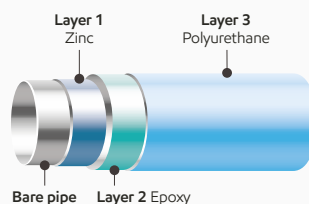
### Steel Painters Industrial (coating shop)

Faster turnaround times and accelerated job completion, enhanced overall revenue potential.

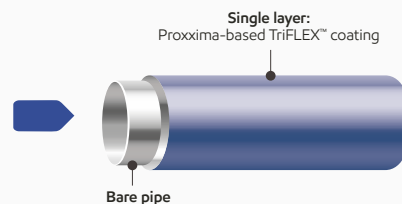
### Faster application, same protection

**From:** Traditional three-coat system

**To:** Formulated with Proxxima system



**7 days** (incl. three 12hr drying cycles)



**3 days** (only one single 12hr drying cycle)

Reduced the risk of adhesion failure or potential production delays



Dry to touch  
in **2 hours**



Dry to handle  
in **6 hours**

Part of the **Proxxima™** in practice series | Real performance. Real conditions. Real impact.

# Real impact

Applicators reported fewer defects and lower inspection costs. Steel Painters Industrial confirmed an improved consistency, faster cycle times, and reduced rework.



## Scalability across industries

The success of the Beaumont piping project has prompted ExxonMobil to expand the use of TriFLEX™ coatings to storage tanks worldwide and thousands of railcars. Proxima™ resin systems are a versatile component that can be used to formulate coatings for different applications — including insulated equipment, marine vessels and corrosion under insulation (CUI) services — demonstrating scalability across a wide range of industrial assets.

## The Proxima systems advantage

Contributing to substantial benefits compared to a traditional 3-coat system.



### Schedule efficiency

- From 3 coats over 7 days to 1 coat in 3 days
- Dry to touch in 2 hours
- Dry to handle in 6 hours



### Streamlined, responsible operations

- 75% volatile organic compounds reduction
- Use of existing PPE and application equipment
- Reduced mixing complexity - lower risk of errors and reduced disposal cost



### Lower total cost

- 60% reduction in labor and inspection costs
- 20% saving on coating materials
- 50% decrease in applied coating cost per m<sup>2</sup>



### Excellent protection

- Single-coat direct-to-metal system
- Impact resistance
- UV durability and corrosion protection

Visit **[proxima.com](https://proxima.com)** or email **[proxima@exxonmobil.com](mailto:proxima@exxonmobil.com)** to discover how Proxima resin systems can help you bring innovation to your business

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