Proxxima™ in practice



Streamlining coating operations for critical vapor recovery unit piping

Location: ExxonMobil Refinery, Antwerp, Belgium

Applicators: Iris Industry Solutions

Method: Shop – Airless Sprayer

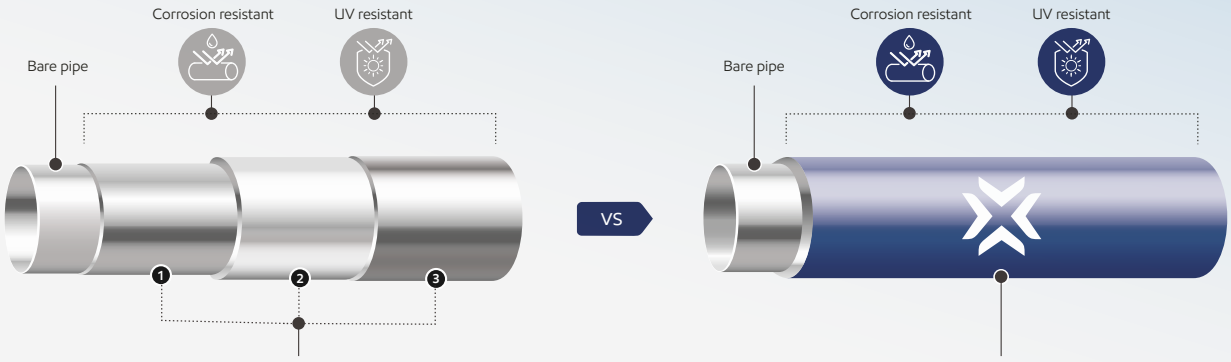
Coating product: Advanced Polymer Coatings' TriFLEX™ formulated with Proxxima resin systems

Date: August 2025

At ExxonMobil's Antwerp facility, TriFLEX™ coating, enabled by Proxxima™ systems, was used on 350 m of process piping as part of a Vapor Recovery Unit (VRU) installation — critical pipework for recovering and processing emission gases from the facility's performance fluid loading operation. Outdoor service requires coatings that resist degradation when exposed to weather and ultraviolet light.

TriFLEX™, formulated with Proxxima resin systems, enables durability and seamless inclusion into existing application methods. This enabled Iris Industry Solutions to complete the work efficiently using current equipment, safety protocols and know-how.

Single-layer coating system



Triple layer:
Traditional three-coat system

Single layer:
Proxxima-based TriFLEX™ coating

Single-coat system **reduces steps and dry time**

Cost-efficient delivery; streamlined labor needs

Up to 75% lower VOC emissions than other standard coating systems

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

proxxima.com

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Real impact

Using standard spray equipment and ventilation, Iris Industry Solutions achieved smooth atomization and uniform film build across the piping.



The Proxxima™ systems advantage versus traditional coating systems

Faster, simpler project delivery

- 350 m of 200 mm (8″) VRU pipework was coated, dried and moved in multiple 1-day batches — replacing a traditional 3-day / 3-coat drying cycle
- Single-coat application reduced spray and dry times, improving schedule confidence
- Single-product application reduced system complexity and quality assurance steps

Optimized application performance

- Consistent wet film thickness (WFT) and dry film thickness (DFT) measurements confirmed reliable film build across batches
- May be applied with spray equipment or roller to manage overspray
- Demonstrated compatibility with a standard thinner to optimize the spray fan

Long-term protection, lower lifetime cost

- Long-lasting resistance to weathering and corrosion
- Reduced maintenance and equipment downtime
- Projected 25-year service life, supporting lower life-cycle cost

Responsible formulation for sensitive environments

- Up to 75% lower VOC emissions than other standard coating systems
- Standard PPE and ventilation

Could Proxxima technology be a breakthrough solution for you?

Contact us to discover how Proxxima resin systems can help you make it happen:
proxxima.com

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