

CASE STUDY



When it absolutely, positively must last.



BEFORE



AFTER

PROJECT SNAPSHOT

NAME:

New Headworks Structure for the City of Pacific

LOCATION:

Pacific, MO

OVERVIEW:

Midwest Infrastructure used OBIC Armor's multi-layer system to protect a new headworks building from corrosion and wear, ensuring long-term durability and cost savings.

OBIC PRODUCTS USED:

- OBIC 1000 Polyurea

CERTIFIED INSTALLER:

Midwest Infrastructure Coatings

JOB COMPLETION:

March 2024

CASE STUDY



SITUATION

Midwest Infrastructure was contracted to protect a newly constructed headworks building at a wastewater treatment plant. The building, essential for handling and processing sewage, required a robust protective lining system to prevent corrosion and ensure long-term structural integrity. Given the building's continuous exposure to harsh wastewater environments, it was critical to apply the right solution from the outset to avoid costly repairs in the future.

The primary challenge was selecting a protective system that could withstand the aggressive conditions in the headworks building. Wastewater environments are notorious for causing wear and corrosion due to the presence of chemicals, gases, and biological waste. Without proper protection, the structure would be prone to damage, resulting in expensive repairs and downtime for the plant. Midwest Infrastructure needed a solution that would deliver long-term durability while minimizing future maintenance.



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SOLUTION

Midwest Infrastructure chose the OBIC Armor multi-layer system for its proven ability to protect wastewater structures from wear, corrosion, and chemical exposure. The system was applied in three layers:

1. **OBIC 1000:** A fast-gel polyurea adhesive layer to provide a strong bond to the surface.
2. **OBIC 1306:** A high-density polyurethane foam layer for added structural support.
3. **OBIC 1000:** A final moisture-barrier polyurea layer to seal the structure from potential leaks and corrosion.

The OBIC Armor system's flexibility and durability made it the ideal solution for the headworks building, ensuring that the structure would be fully protected from the start, even in the harshest conditions.

BENEFITS

The OBIC Armor multi-layer system provided comprehensive protection for the new headworks building. By applying the coating before the building became operational, Midwest Infrastructure avoided the need for costly repairs and downtime that often result from unlined wastewater structures. The headworks building is now set to remain fully functional and structurally sound for years to come, delivering significant long-term cost savings.

By using OBIC Armor from the start, Midwest Infrastructure protected the headworks building against corrosion and future damage, reducing maintenance costs and ensuring operational efficiency. The project highlights the importance of proactive coating solutions in wastewater environments and demonstrates how OBIC's multi-layer system provides superior protection for critical infrastructure.

