

A high-angle photograph looking down into a large, circular concrete structure, possibly a tunnel or a large storage tank. The interior walls are lined with a bright yellow material, likely a protective liner or formwork. The structure is surrounded by a concrete rim with a metal railing. A red and yellow ladder is leaning against the rim on the left side. Various cables and equipment are visible on the rim and inside the structure.

End Maintenance Headaches for Good.

LONG-TERM CONCRETE PROTECTION
FOR CRITICAL INFRASTRUCTURE



TITAN

BUILD YOUR LEGEND

Stop Corrosion Before It Starts. Build Infrastructure That Lasts.

Corrosion is a constant challenge for wastewater engineers, threatening the integrity of pipes, manholes, and chambers exposed to harsh environments. One of the most effective solutions for preventing microbial-induced corrosion (MIC) and hydrogen sulfide attack is **Concrete Protection Liner (CPL)**.

What Makes CPL Different?

Unlike temporary measures such as spray coatings, CPL is made from high-density polyethylene (HDPE) and integrates anchors that embed directly into the concrete. This creates a long-lasting, impenetrable barrier against corrosion and infiltration while preserving the structure's performance over its lifespan.

CPL isn't just a product—it's a design solution for infrastructure longevity, providing reliability and ease of maintenance for critical systems.

Why Specify CPL?

- **Resilience Against MIC and Infiltration & Inflow:** CPL prevents degradation caused by corrosive gases and eliminates infiltration and inflow issues.
- **Long-Term Durability:** Properly designed CPL systems can last as long as the structure itself, minimizing long-term maintenance.
- **Improved System Performance:** By protecting the concrete, CPL ensures wastewater systems operate efficiently, with reduced risk of unexpected failures.

Effective Use of CPL Requires Careful Attention to Key Design Factors:

- Adequate backpressure resistance, preventing liner failure.
- Chemical compatibility with the specific wastewater environment.
- Evaluation of wastewater flow characteristics to maintain system efficiency.
- Abrasion resistance to ensure long-lasting performance.

Why Spray Coatings Fall Short

Imagine This: Your project is complete, the spray coating applied. But a few years later, the corrosion returns. Now, the entire system needs to be shut down for sanitization, surface preparation, and reapplication. The costs—financial, environmental, and operational—are staggering.

Spray coatings may seem cost-effective upfront, but they **can't handle backpressure** and **require constant maintenance**. Every reapplication means downtime, surface prep, and expenses that quickly add up.

CPL: Built to Endure

CPL is designed to last the life of the structure—no reapplications, no unexpected shutdowns, no compromises. When you choose CPL, you're investing in:

- **Reliability:** A solution that performs as promised.
- **Efficiency:** Eliminate downtime and long-term costs.
- **Longevity:** Designed to last for 50 years or more.

Rethink Corrosion Protection.

Why settle for coatings that wear out when you can specify a solution that outlasts your expectations? CPL isn't just a product—it's peace of mind, designed to keep your infrastructure strong, stable, and safe. **Your infrastructure deserves protection that lasts a lifetime. CPL delivers.**

[Get started with CPL today.](#)

Titan Environmental Containment | Titan Environmental USA

Toll free: 1-866-327-1957 | info@titanenviro.com | TitanEnviro.com

