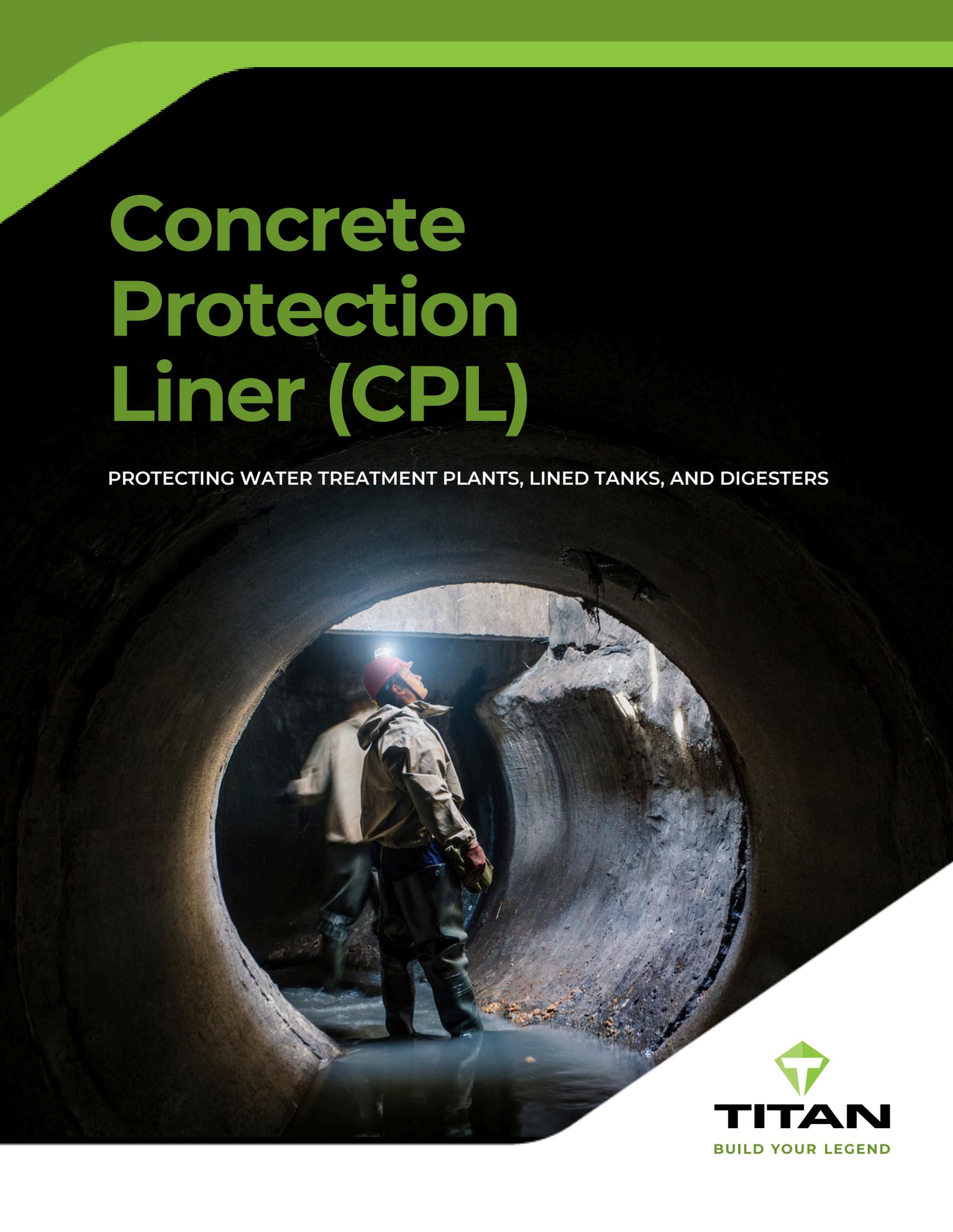


Concrete Protection Liner (CPL)

PROTECTING WATER TREATMENT PLANTS, LINED TANKS, AND DIGESTERS



TITAN

BUILD YOUR LEGEND

Why Concrete Protection Matters

Microbial induced corrosion (MIC) and hydrogen sulfide gas don't just degrade concrete—they threaten the integrity of your entire water treatment system. But there's a solution that works as hard as you do: **Titan's Concrete Protection Liner (CPL)**.

CPL creates a durable, high-density polyethylene (HDPE) barrier that locks into concrete, forming an impenetrable defense against corrosion and inflow & infiltration. CPL delivers long-term protection without the need for constant maintenance.

What's Eating Away at Your Tanks?

Water treatment plants and large tanks, including digesters, are highly corrosive environments.

Key Areas of Corrosion Risk:

- **Above the Water Line:** Microbes burrow into porous concrete, producing sulfuric acid that eats away at the structure.
- **Tank Domes:** Hydrogen sulfide gas collects at the top, attacking exposed concrete surfaces.
- **Fluctuating Water Lines:** Frequent wet and dry cycles create prime conditions for microbial growth and corrosion.

To Maximize the Performance of CPL in Water Treatment Facilities, Consider the Following:

- 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.

How CPL Helps:

- **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.

Water Treatment Liners for Potable Water Storage

Titan offers an **NSF 61-rated liner**, specifically designed for potable water storage. NSF 61 certification guarantees that the liner resins are free of harmful carcinogens like styrene, making it safe for drinking water systems. This is an ideal solution for water treatment plants handling both wastewater and potable water storage.

Build Infrastructure That Lasts

CPL is designed to last the life of the structure—no reapplications, no unexpected shutdowns, no compromises.

**Protect your investment. Safeguard your infrastructure.
Trust Titan's CPL for long-term performance.**

[Get started with CPL today.](#)

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