

BURIED PIPE & CULVERT REPAIR PRODUCTS:

StrongPIPE® Spincast Mortar Lining (SML)



STRUCTURAL TECHNOLOGIES' StrongPIPE® Spincast Mortar Lining (SML) system is a trenchless solution to strengthen and extend the life of culverts, sewer and storm water pipelines .

These types of pipes are subject to deterioration and corrosion from contents and contaminants in the soil surrounding them. Over time, collapse may occur which can result in sink holes, flooding, and compromised roadways.

The StrongPIPE® Spincast Mortar Lining (SML) system is an engineered solution that utilizes specialized equipment to apply high strength cementitious mortar material to existing corrugated metal, concrete and a variety of other piping systems and materials. The installed SML system cures in place to form a durable lining which provides long-term protection, along with resistance to corrosion and abrasion.

StrongPIPE® SML Features:

- Trenchless installation requiring no excavation or excavation pits
- Durable, long-term lifecycle extension of pipeline assets
- Monolithic system which provides resistance to corrosion and abrasion
- Rapid installation minimizes downtime and impact to operations
Lower installed cost for long runs compared to other rehabilitation alternatives
- Effective for extended runs of pipe or segmental repairs



Product System Options:

The StrongPIPE® SML system options include mix designs which are customized and tailored for each application to meet specific design requirements. A wide variety of cement-based materials are used to meet durability and structural parameters, which include:

- **Polymer:** Most pipeline applications utilize polymer modified concrete which cures rapidly, improves abrasion resistance, lowers permeability and creates a strong bond with the existing pipe.
- **Concrete:** Traditional cement based concrete material minimizes the overall cost of the system for pipelines with more hydraulic flexibility.