CONCRETE REPAIR & PROTECTION SYSTEMS:

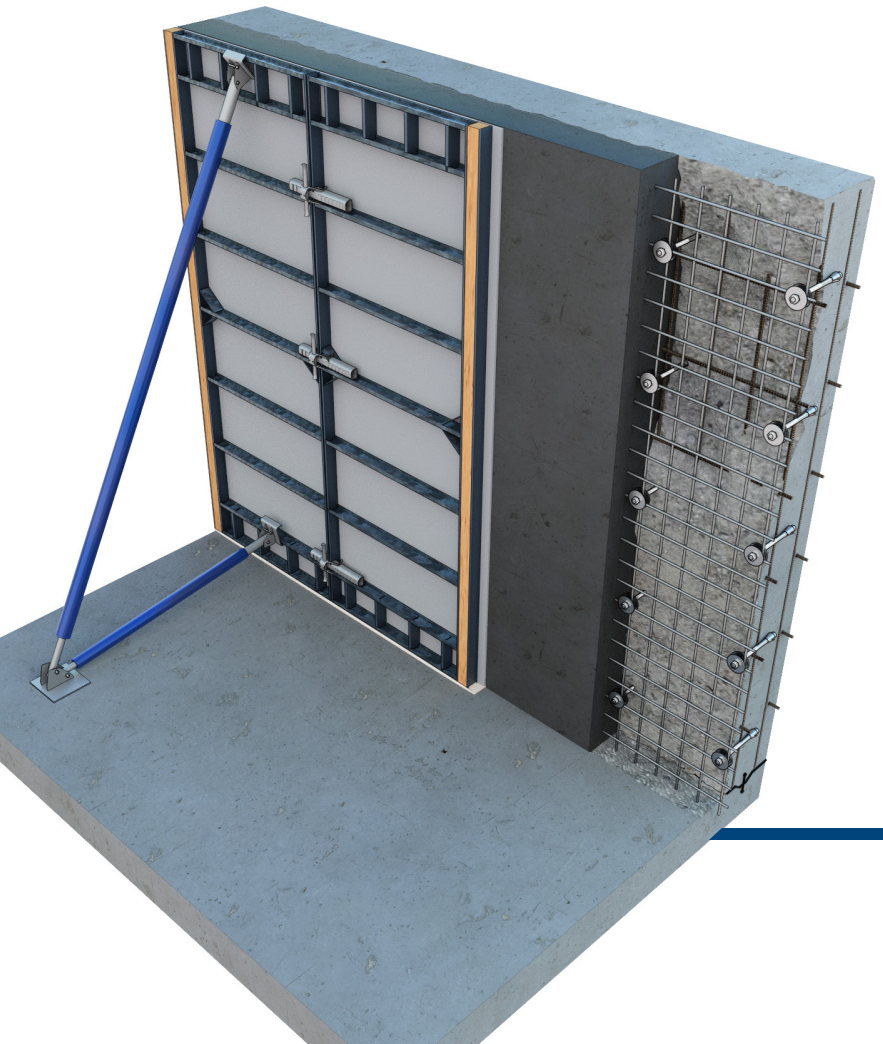
Tstrata ISR™ Durability Wall Liner System for Sulfur Pits

structural TECHNOLOGIES

EXTEND SERVICE LIFE OF SULFUR PIT WALLS

STRUCTURAL TECHNOLOGIES' Tstrata ISR™ Durability Wall Liner System is a proven system for the rehabilitation of walls within molten sulfur containment structures. The system is appropriate where there is moderate deterioration of existing walls by utilizing the remaining structurally sound wall section and lining it with additional reinforcement and our specially formulated sulfate resistant concrete.

Our engineered systems incorporate specialized installation processes and forming systems to ensure a bond – even in the presence of sulfur crystals in the existing concrete wall's pore structure.



Delivers Long-Term Service Life

- **Durable:** Withstands long-term exposure to molten sulfur
- **Corrosion Protection:** integral corrosion inhibitor provides protection to steel

Installs Rapidly

- **Rapid Curing:** rapid strength gain allows for form removal in half the time of standard concrete materials
- **Integrated Solution:** May be engineered with other technologies such as the Tstrata ISR™ Precast Sulfur Pit Roof System or and cast-in-place floor and roof systems

Tstrata ISR™ Durability Wall Liner System Components

The Tstrata ISR™ Durability Wall Liner System is custom designed for each unique application, but typically includes the following components developed by STRUCTURAL TECHNOLOGIES:

Tstrata ISR™ Concrete:

Tstrata ISR™ is a specially formulated sulfate resistant concrete restoration material with integral corrosion inhibitor designed specifically for restoration of sulfur pits' structural components.

Tstrata ISR™ Sulfate Resistance (ASTM C1012)	
28 days	0.01%
6 Months	0.02%
12 Months	0.02%

Tstrata™ Single-Sided Forms

STRUCTURAL TECHNOLOGIES' single-sided specialized forming systems are used to achieve bond between new and existing concrete for monolithic-like performance.

Reinforcement

Embedded steel reinforcement engineered to provide necessary structural strength.