



CONCRETE REPAIR & PROTECTION SYSTEMS: Tstrata ISR™ Structural Wall System for Sulfur Pits

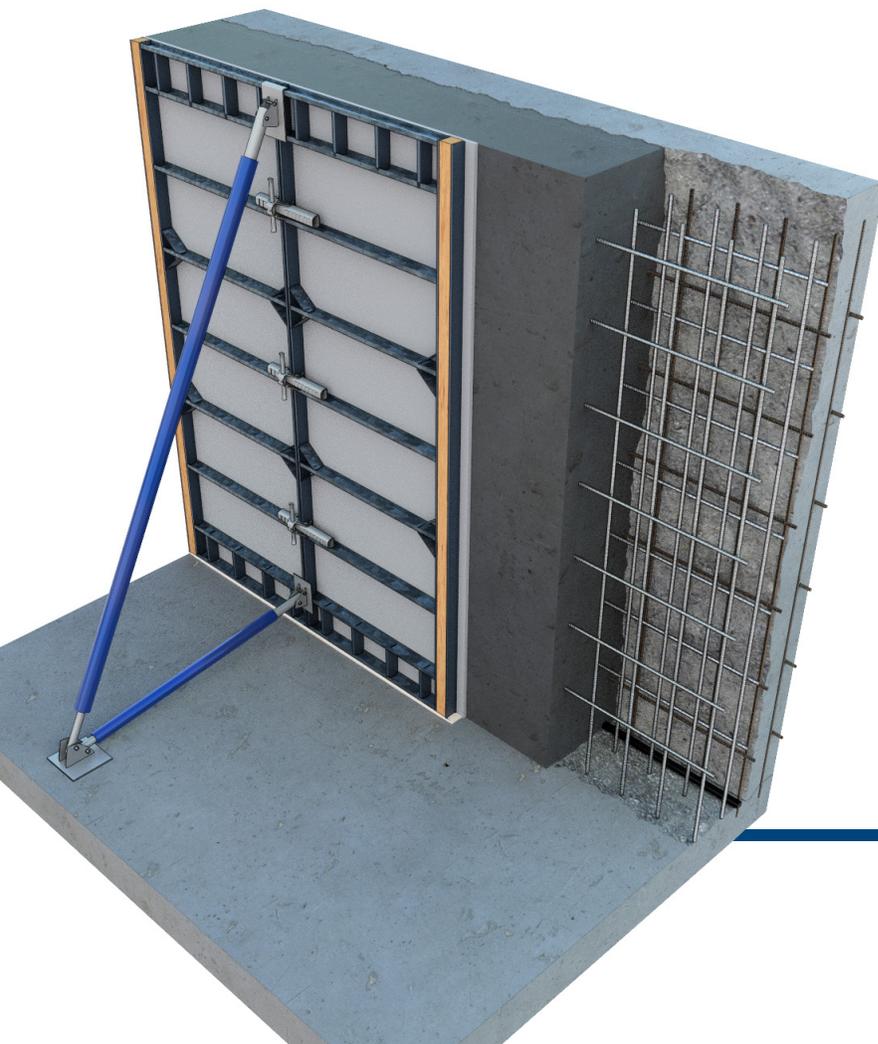
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TECHNOLOGIES

EXTEND SERVICE LIFE OF SULFUR PIT WALLS

STRUCTURAL TECHNOLOGIES' Tstrata ISR™ Structural Wall System is a proven solution for the full replacement of walls within molten sulfur containment structures. The system is appropriate where there is severe deterioration of existing walls by rebuilding structurally sound wall sections with 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.

Tstrata ISR™ Structural Wall Systems can be integrated with our Tstrata™ Engineered Roofing Systems, and incorporate project-specific mechanical systems.



Delivers Long-Term Service Life

- **Restores Strength:** Provides total structural capacity of sulfur pit
- **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™ Structural Wall System Components

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



Tstrata ISR™ Concrete:

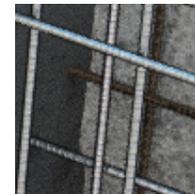
Tstrata ISR™ is a specially formulated sulfate resistant concrete restoration material with integral corrosion inhibitor designed specifically for restoration of sulfur pits' structural components.

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.

