

Polymer Concrete

Primary Containment Units

Applications

- New electrolytic cell with 5 year warranty
- Retrofitting concrete cells with paraliners with our PCU System
- Electrolytic cell repairs with warranty
- Modification of second hand cells
- Equipment bases
- Sumps
- Piping



Phoenix office • 602-296-4413

Tucson office • 520-577-2561



Polymer Concrete History

Polymer concrete cells and tanks are a modified vinylester resin formulation blended with well-graded silica based aggregates and fillers to form an engineered composite with high strength physical properties able to handle corrosive environments. It is a long term low maintenance solution to many applications involving strong chemical solutions. TMI experience with polymer concrete stems from involvement with the industry leaders during the rise and acceptance of polymer concrete in various industries. TMI offers the wealth of experience learned during this expansion period along with the dedication to customer service and product quality which TMI is known for throughout the mining industry.

Primary Containment Unit (PCU)

Conversion to the PCU System can occur on a maintenance schedule resulting in a minimum of production loss to the plant.

- FRP system is installed directly onto the concrete thereby:
 - Reducing further erosion of the cell wall
 - Reduces the likelihood of leaks
 - Reduces the likelihood of current leakage
- Polymer Concrete Floor:
 - Material has excellent industry record for this type of application
 - Eliminates the concerns with wood floor maintenance
 - Provides strong impact resistance for falling electrodes
- Improves cell cleaning procedures - operators can now stand at the end of the cell and wash down anode sludge without entering the cell
- Reduction in leaks reduces damage to the tankhouse floor and slip hazards in the basement
- FRP system adds minimal thickness to the sides of the cell ensuring the continued electrolyte flow through the electrodes and cell

Warranty

In addition to the advantages listed above, we also offer a limited five year warranty on any PCU installed by TMI

Polymer Concrete Cell Repair

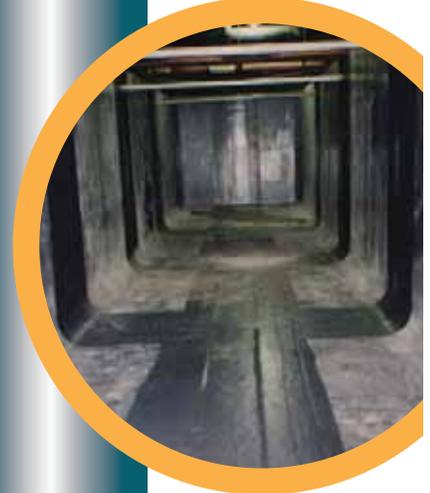
To assist our customers with cell concerns, we are able to offer the following services:

- On-site polymer concrete cell inspections and repairs
- Maintenance repair programs suited to the needs of our clients
- Maintenance agreement contracts for longer term service
- Extended five year warranty program on all existing polymer concrete cells after repairs

Polymer Concrete Cell Modification

Why pay for a mold when you can modify one of the many concrete cells and sectionals available in the industry?

- Polymer concrete cells can be cut and reattached to modify an existing cell into a cell perfect for your needs
- Whether it requires a new overflow box or a different height, width or length, existing cells can be modified to your exact needs
- Building sectionals for shipment to remote locations has been used for years and this technique offers a better quality control, lower shipping costs and better pricing to those customers in hard-to-reach places or with large tank or cell needs
- The best part is after modification, these cells come with our standard five year warranty





Other Service Offered by



FRP Structural Strengthening Products

Use of FRP product to repair and strengthen structures such as:

- Masonry and concrete walls
- Steel and wood beams
- Reinforced concrete beams and slabs
- Columns
- Pipes and tunnels

PermaDri-Corrosion Protection and Coating

- Tank linings
- Secondary containments
- Pond liners
- Haul truck bed liners
- Floorings
- Cooling towers
- Flotation cells
- Pipe liners

Commercial Contracting

- Piping
- Concrete construction
- General building construction
- Siding

Vinylester and Polyester Flooring System

The Resin Flooring System offers a six layer coating system of resin and aggregate to help many flooring concerns in corrosive environments such as tankhouse basements, food processing plants, paper plants, chemical plants, general industry, high tech plants, and more

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