

The Polymer Concrete Primary Containment Unit for Concrete Cells

Replace existing paraliner concrete cells with **The Polymer Concrete Primary Containment Unit (PCU)** which offers a polymer concrete floor and FRP system on the walls. The PCU provides a durable containment system for electrolyte and electrodes.

The PCU comes with two options:

- One system increases the wall strength 2-3 times its existing strength
- Second, less expensive system provides a durable FRP wall system

Advantages

- FRP system can increase the structural strength of the wall by 2-3 times the existing wall strength
 - By covering the interior cell surface the system will stop the flow of oxygen to the concrete tank reducing future corrosion. This will also help to reduce stray currents in the cell
 - The stronger material reduces the chance of leaks due to falling for scraping electrodes on the cell
 - The polymer concrete bottom reduces provides a proven material for the cell floor
 - FRP system adds minimal thickness to the sides of the cell ensuring the continued electrolyte flow through the electrodes and cell
 - The interior surface will be easier to clean and maintain
- **Uses same vinylester resin formulation used in polymer concrete cells**
 - **Over 50 cells currently in service; some since 2005**
 - **Comes with our standard 5 year warranty**



Before Installation



After Installation



TMI



Capping boards, intercell bars, overflow boxes, inlet piping, inserts, etc., can all be modified and integrated into the design of the system to ensure the most cost effective unit is made for YOUR PLANT

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