Electrolytic Cells (I)

- Product Description:

Non-pigmented engineered blend of acid resistant resin, selected aggregates, additives, accelerators and modifiers poured onto a metal mold
Electrolytic Cells (II)

- **Resin:** Vinylester Polymer
  - Concrete or FRP
- **Aggregate:** Rounded Silica Sand
  - or Mica
- **Reinforcement:** Strand and Rebar
  - (optional)
- **Finish:** Mould contact surfaces provided by Gel Coat or equivalent
Electrolytic Cells (III)

- Feed System: CPVC, PVC or FRP
- Overflows: Cast-in polymer concrete with CPVC, PVC or FRP connections
- Drains: CPVC, PVC or FRP
- Piping per ANSI b16.5 Class 150
## Electrolytic Cells (IV)

### Material Properties

- Coef. Thermal Expansion: 15.7E6 m/m°C
- Thermal Conductivity: 0.502 W/m-°C
- Electrical Resistivity: 1.97E10 Ω-cm
- Density: 2.25 – 2.35 kg/L
- Compressive Strength: 65 – 108 MPa
- Flexural Strength: 20 – 24 MPa
- Tensile Strength: 16.5 – 19.5 MPa
Electrolytic Cells (V)

Other Properties

- Max deformation under load: 1.5 %
- Elastic Module: 18000 kg/cm²
- Poisson ratio: 0.24
- Shrinkage: 0.2%
- Pigments: N.R.

- N.R.: Not Recommended
Electrolytic Cells (VI)

Dimensional Tolerances (+/-)

- Length: 5.0 mm
- Width: 3.0 mm
- Height: 3.0 mm
- Vertical Straightness of walls: 2.0 mm
- Wall Curvature: 0.5 mm/m
- Horizontal squareness: 5.0 mm
- Thickness cell tops: 2.0 mm
- Centerlines of drains: 2.0 mm