



Electrolytic Cells (I)

- Product Description:

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



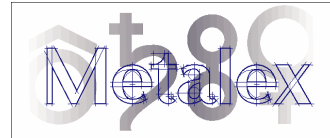
Electrolytic Cells (II)

- 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