



PROJECT PROFILE



Electrolytic Cells with damage



Electrolytic Cells in service after repair

Project:

Refractory Protection over Electrolytic Cells

Location: Brazil, South America

Owner: Juiz de Fora, Votorantim Metais

General Contractor: Rust Engenharia

Applicator: Rust Engenharia

Sauereisen Representative:

Richard Forster Bayer,
Resinar Matereais Compostos

Products:

- Corrosion Resistant Mortar 65

Method of Application:

Trowel applied potassium silicate mortar with fiberglass reinforcement.

Environment / Exposure:

- High Temperatures >200°F
- Concentrated Inorganic Acids: Nitric, Sulfuric, Phosphoric

Project Details:

- A drastic increase in the operating temperatures of the acids was corroding the previous materials rapidly.
- The installation of our 65 Mortar reinforced with Fiberglass mat, allow the material to protect the cells from the temperature as well as from the chemical attack from the hot acid.
- This restoration procedure has been applied over many of the cell with excellent results over the past several years.
- Customer is satisfied with the performance and 65 has become the material of choice for such repairs.