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## PROJECT PROFILE

**PROJECT:** Alliance Copper - Internal Steel Tank Protection  
**LOCATION:** Chile

### THE PROBLEM

Alliance Copper had built a new Biolixiviation Plant in Calama to extract copper, where conventional extraction processes are not effective. This extraction plant was designed to produce 20,000 tonnes of copper cathodes per year, so they required materials that could be relied upon to provide guaranteed long-term performance.

The client approached Thortex for a coating solution, which would provide a tank lining that would resist varying concentrations of chemicals including Sulphuric Acid at temperatures of 60 - 70°C.



### THE SOLUTION



After extensive evaluation, Chemi-Tech UC was specified as the internal lining for all four of the stainless steel vessels. The surfaces were prepared by abrasive blast cleaning to a minimum standard of Sa2<sup>1/2</sup>. Our solvent-free epoxy coating Chemi-Tech UC was then applied directly to the steel substrate to provide a complete chemical resistant lining.

Chemi-Tech UC offers exceptional resistance to chemical attack under permanent immersion conditions, even in concentrated Sulphuric Acid. It is ideal for the long-term protection of tanks, bunds, containment dykes and pipework, even under the harshest of conditions.