

Copper Cell Lining

DERAKANE Epoxy Vinyl Ester Resins – Case History



Location / Year

Codelco

El Teniente, Chile

The cells were coated in July, 1985, and were reported in good condition at last inspection in March, 1988. No further updates are available.

Fabrication

DERAKANE 8084 epoxy vinyl ester resin was used.

This resin was used in the formulation for maximum corrosion resistance, adhesion and elongation properties.

After surface preparation, the concrete cells were coated with two layers of a formulation based **DERAKANE 8084** resin.

Formulator

Trowelon, Inc., Green Bay, Wisconsin

Technical Data

A 600m² (6480 ft²) electrolytic cell coating.

Service Conditions

The coating contacts a solution of 3.7% copper sulfate, 12.8% sulfuric acid and 83.5% water, at a temperature of 66°C (150°F).

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