

CASE STUDY

PROJECT NAME:

Copper Solvent Extraction /
Electrowinning Building

LOCATION:

Sonora, Mexico

ENDURO FRP/GRP PRODUCTS:

Roofing and Siding Panels

48" Large Throat Ridge Vents

Louvers

Beams

Cable Tray



PROBLEM

The solvent extraction and electrowinning process used for refining copper includes significant concentrations of sulfuric acid. Metal building components and metal cable tray do not perform well in these operations resulting in excessive maintenance, replacement costs and downtime.

APPLICATION SUMMARY

Building components must have: 1) ability to withstand tough, operating conditions; 2) ability to handle building loads over its service life; 3) UV protection for long service life and satisfactory appearance.

SOLUTION

Offering superior combination of corrosion resistance, structural performance, and UV protection, Tuff Span FRP building products and Enduro Cable Tray are ideally suited for these challenging conditions. The material's premium grade, isophthalic polyester resin system is resistant to chemical attack and continuous wet conditions and ensures long-term retention of structural properties. Formulated with higher content of glass fiber reinforcements, Tuff Span roof and siding panels offer structural performance superior to other non-metallic options. Its UV stabilized resin and protective coating ensures extended color retention and service life.



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