

STRONGWELL

APPLICATION PROFILE



FRP PLATFORMS INSTALLED IN A COPPER REFINERY TO WITHSTAND CORROSION

More than 10,000 square feet of Strongwell's fiberglass operating platforms and walkways were installed at a copper refinery in Piedras Verdes, Mexico.

The refinery uses a process called solvent extraction electrowinning (SXEW) to extract copper from the ore. An electrolyte liquid used in the process is highly corrosive to aluminum and steel, so corrosion resistant FRP grating, handrails and structural platforms were a natural choice for the project.

The FRP platforms are much more durable than aluminum or steel and the low electrical conductivity of FRP makes the operating platforms much safer for workers. Additionally, the lightweight FRP shapes, grating and handrail made the installation easier and faster.

FRP platforms are a superior solution for corrosive operating environments like those found in SXEW copper refineries. As a result, fiberglass has become the material of choice for such operations.

TECHNICAL DATA

Product:	Platform and Walkway System
Process:	Pultrusion, Open Molding
Materials:	EXTREN® Series 625 fiberglass reinforced polyester 2" DURAGRATE® V.E. molded grating SAFRAIL™ handrail system
Sizes:	EXTREN® structural shapes and plate: 8" x 3/8", 10" x 1/2" Channels 2" x 1/4", 3" x 1/4", 4" x 1/2" Angles 10" x 5" x 3/8", 8" x 4" x 1/2" I-Beams 10" x 10" x 1/2" Wide Flange Beam 1/2" Plate
For:	Piedras Verdes, Mexico copper refinery

STRONGWELL



Bristol Division
400 Commonwealth Ave.
Bristol, VA 24201-3820 USA
(276) 645-8000
FAX: (276) 645-8132

Chatfield Division
1610 Highway 52 South
Chatfield, MN 55923-9799 USA
(507) 867-3479
FAX: (507) 867-4031
www.strongwell.com