

# STRONGWELL

## APPLICATION PROFILE



### DURADEK® CHEMICAL TRAYS SUPPORT LONG PIPE RUNS

The Squaw Peak Water Treatment Plant in Phoenix, Arizona, has more than 1,300 lineal feet of chemical trays that run from the storage complex to various rooms in the main facility where the chemicals are used. DURADEK® I-6000 1-1/2" grating supported by EXTREN® channel and a special F-section was suspended from the ceiling to support pipes carrying caustics and acids such as alum, hydrochloric acid, and sulfuric acid. The trays varied from 12" to 42" wide with continuous runs of up to 600 lineal feet.

The Squaw Peak facility, the largest water treatment plant in Phoenix, was due for a new upgrade to get the plant up to capacity. The highly corrosive chemicals used in the facility made fiberglass reinforced vinyl ester the obvious material choice. DURADEK® provided both the corrosion resistance and high strength needed to support the long pipe runs.

Strongwell-Chatfield Division furnished the fabrication drawings for the job and did the prefabrication. In addition to the chemical trays, the total fabrication included 2,000 sq. ft. of DURAGRID® T-3300 2" and DURADEK® T-5000 2" grating for walkways over various trenches and chemical vaults.

### TECHNICAL DATA

Product:	Overhead Chemical Trays
Process:	Pultrusion
Materials:	Fiberglass reinforced vinyl ester grating, fire retardant EXTREN® Series 525 fiberglass structural shapes
Sizes:	DURADEK® I-6000 1-1/2" grating DURADEK® T-5000 2" grating DURAGRID® T-3300 2" grating
For:	Squaw Peak Water Treatment Plant



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