

# STRONGWELL

## APPLICATION PROFILE



### FRP MATERIALS GUARD A CALIFORNIA PIER FROM CORROSION

The Avila Beach Pier in California has been reconstructed using Strongwell's pultruded fiberglass structural materials. The 1,685-foot public pier was in need of a support system and large stairwell at the end, allowing public access for landing boats and unloading guests.

The pier is constantly exposed to a harsh saltwater environment and is always under attack from the corrosive elements. In fact, parts of the stairwell are entirely submerged in saltwater at all times. Strongwell's FRP support system for the base of the pier consisted of EXTREN® I-beams and channels, replacing the existing galvanized platform which was failing in the salt-water environment. DURADEK® pultruded grating and stair treads and SAFRAIL™ handrail was also installed creating the new walkway. The fiberglass reinforced materials were chosen over traditional building materials because of the superior corrosion resistance and strength that it offers.

Pat Dalton Construction was pleased with the project and reported the FRP solution is far superior in performance to wood and steel materials previously used. The materials are showing excellent performance and the county maintenance department is very pleased; so pleased, in fact, that it will give fiberglass structural components priority for any future waterfront projects or repairs.

The pier reconstruction project is part of a local initiative responsible for growing tourism at Avila Beach after an oil spill in the 1990's destroyed much of the land in that area. Strongwell is pleased that its FRP materials helped to restore the pier and will help it last for many years to come!

### TECHNICAL DATA

Product:	Support system and stairwell for pier
Process:	Pultrusion
Materials:	EXTREN® Series 525 fiberglass reinforced polyester, UV coating DURADEK® 1.5" I-6000 fiberglass reinforced vinyl ester grating DURADEK® stair treads SAFRAIL™ fiberglass reinforced polyester handrail and stair treads
Sizes:	10" Wide flange I-beams 10" Channels
For:	Pat Dalton Construction
User:	Avila Beach, California

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