STRONGWELL

CASE STUDY

FRP GRATING THE IDEAL MATERIAL FOR PIERS

Connected to Lake Michigan is Pentwater Lake, where the City of Pentwater recently replaced wooden planks on a public fishing pier with 1,200 square feet of Strongwell's DURAGRID® T-1800 1-½" pultruded grating. DURAGRID® T-1800 was used to replace the wooden planks on this pier due to frequent maintenance concerns resulting from weather and constant foot traffic. Wooden planks were also frequently damaged during large storms. Combined with the chemical impact of de-icers and a constant exposure to the brackish water of the lake, wooden planks were simply not the best choice for this application.

Progressive Engineering and the City of Pentwater found the corrosion, rot and mildew resistant DURAGRID® pultruded grating to be an ideal replacement for the wooden planks while also adding to the aesthetic beauty of the pier and surrounding area. The greatest appeal of the T-1800 grating with 1-½" T-bars, however, was its span length while maintaining enough stiffness to accommodate multiple visitors at one time. Wood planks typically shrink, rot, absorb water and degrade over time, which generates year round safety concerns.

DURAGRID® pultruded grating brought other numerous advantages to the customer as well. The grating allows for easy and smooth wheel accessibility and a nonskid surface during the wet and cold months. Progressive Engineering complimented how the grating was also easy to install and maintain, low in thermal and electrical conductivity, aesthetically pleasing, and was available in a variety of custom colors. ●

TECHNICAL DATA

Product:	FRP Grating Walkway / Fishing Pier Decking
Process:	Pultrusion
Materials & Sizes:	DURAGRID® T-1800: 1-½"
For:	Progressive Engineering
User:	City of Pentwater, Michigan

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