

STRONGWELL®

APPLICATION PROFILE



CORROSION IS NO THREAT TO NEW FRP PLATFORMS

The Franklin County, Ohio Road Department upgraded a very corrosive storage area using Strongwell products.

The Road Department stores the bulk road de-icing chemicals in outdoor storage tanks. Safe access was needed to and from the tanks for filling and inspection. Therefore, it was necessary to build platforms using materials that were non-corrosive and safe.

Strongwell products were chosen for the job because they are light weight, corrosion resistant and most importantly, the builders wanted to assemble the components together themselves without the need for heavy lifting equipment.

The platforms were built using EXTREN® 525 series 6" beams and I-6000 DURAGRID® 1" grating for walkways and stair treads. Square SAFRAIL™ handrail with a toe plate was added to surround the edge. To reach the platform, a stairway was built using EXTREN® 525 Series 10" channels for stairs and 2" equal leg angles for lateral bracing. In addition, roof access was required, so a SAFRAIL™ walkthrough ladder was also installed.

The assembly and erection using FRP shapes saved time while assuring that the materials will last much longer in the corrosive environment than traditional building materials.

TECHNICAL DATA

Product:	Platform, Ladder and Stairs
Process:	Pultrusion
Materials:	DURAGRID® fiberglass reinforced grating EXTREN® 525 series fiberglass reinforced polyester SAFRAIL™ fiberglass reinforced polyester handrail and toe plate
Sizes:	EXTREN® structural shapes: 6" x 6" x 1/4" Beams 10" x 2 3/4" Channels 2" x 2" x 1/4" Angles DURAGRID® I-6000 1" grating SAFRAIL™ 2" x 2" x 5/32" square handrail
For:	Franklin County Ohio Road Dept.

STRONGWELL



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PLATFORMS FOR CHEMICAL STORAGE