



Case Study: SAFPLANK®

All for Clarification

A wastewater treatment facility originally built in 1988 recently upgraded its operational clarification capacity to reduce odor emission.

Located in Stewartville, Minnesota, the facility took part in a \$750,000 overall improvement plan. One part of the master improvement plan required the use of flat clarifier covers to control odor emissions and debris entry into the clarification process.

The facility requested a component with extended support span capabilities. SAFPLANK® was a simple fit for the facility's aeration ditches. The product offered a smooth interlocking gritted surface to ensure safe pedestrian access with load capacity support. As an added measure to prevent further disruption, the benefits of on-site fabrication and installation with fiberglass was more attractive than welding steel and its hot work permitting requirements.

For this project, the SAFPLANK® was pultruded in a slate gray color with a polyester resin system that meets ASTM E84 and ASTM D635 flame spread and self-extinguishing requirements. Each corrosion resistant composite panel measures 2" deep and 24" wide.

The project was completed ahead of schedule. The site's Lead Water Specialist and Wastewater operator was impressed with the overall product and its fabrication and installation processes with simple carpentry tools. ●



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Case Study: STRONGIRT®

A GIRT Restoration Project

In 2023, a restoration project was completed on a historic building located in Johnson City, Tennessee. In decades past, the building served in multiple capacities including a courthouse, bank, and post office.

BurWil Construction Company was selected as the lead contractor for this job. As part of the redesign of the building, Petrarch Engineered Stone Rainscreen Panels were specified for exterior portions of this building. Specifically, on the exterior façade of an added elevator and lobby entrance.

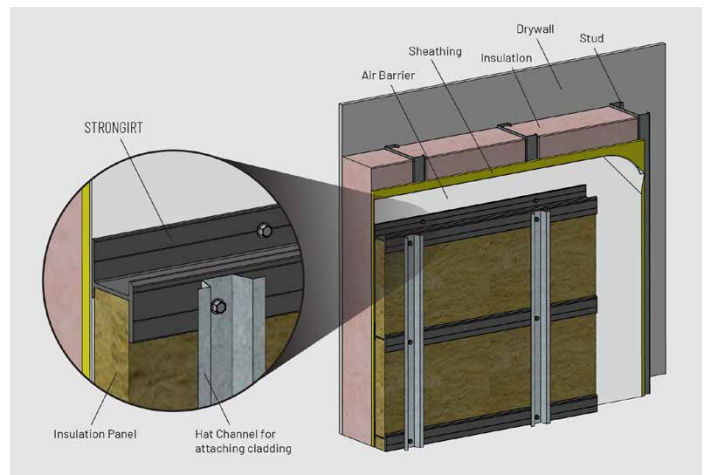


To support these panels, 4" STRONGIRT® was used as a cladding attachment support system. Manufactured by Strongwell, this product line is exclusively Made in USA and has been certified in accordance with NFPA 285, ASTM E84 and UL 94 requirements with regard to flammability and flame spread.

In addition to exterior walls, some of the interior walls also utilized this product as a thermal bridge as STRONGIRT®'s R-Value is equal to 11.23 versus that of steel's at 7.14. STRONGIRT® can be installed horizontally or vertically and will work with all nonproprietary types of insulation.

Compared with other products on the market similar in design, The Petrarch Engineered Stone Rain Screen Panels with the STRONGIRT® system was much lighter in weight to handle, thus requiring less labor and reducing the need for heavy lifting equipment. The architectural panels and cladding systems were easily handled by one or two installers at a time.

Upon completion, the contractor was extremely pleased with the ease of installation and aesthetics of the overall project. In combination, both products will provide the building with decades of reliable service. ●



Literature Updates:

- DURAGRATE® Brochure (I+M)
- DURADEK® vs. DURAGRATE® Comparison Flyer
- Utility Market Flyer
- Availability List (I+M)
- FIBREBOLT® Flyer
- Corporate Profile
- FRP Specifications:
 - Molded Grating & Stair Treads
 - Structural Shapes/Plate & Fabrications
- Design Manual Sections:
 - Section 6 (I+M)
 - Section 11 (I+M)
 - Section 12 (I+M)

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Strongwell New Hires



Mya Eury
Corporate Sales Account Manager

Mya works with the Strongwell Sales Team to manage customer accounts and provide sales support. Mya graduated from Milligan University with a Bachelor of Science in Business Administration with a concentration in health.



Cody Shipley
Accounting Manager - Virginia Operations

Cody graduated from East Tennessee State University with a bachelor's degree in finance and received his Master of Business Administration from Milligan University. He is currently continuing his education to take the CPA exam.

Strongwell Promotions

Doug Edwards
Sales Director

Tyler Goad
Customer Relations Manager - Corporate

Te-Kai Shu
Community Relations Manager - Corporate

Jonathan Thomason
Drafter Lead - Bristol

Keith Jones
Detailer Checker - Bristol

Jeff Roberts
Drafting Coordinator - Bristol

Alexis Ball
Corporate Account Manager and Pricing Specialist

David Cook
Estimator - Bristol

Josh Maggert
Vice President, Minnesota & Mexico Operations

Bryan Walker
Vice President, Virginia Operations

Karie Castle
Manager, Environmental Health & Safety - Virginia Operations

For full bios, please subscribe to our monthly digital newsletter - visit www.strongwell.com/godigital OR scan this QR code:





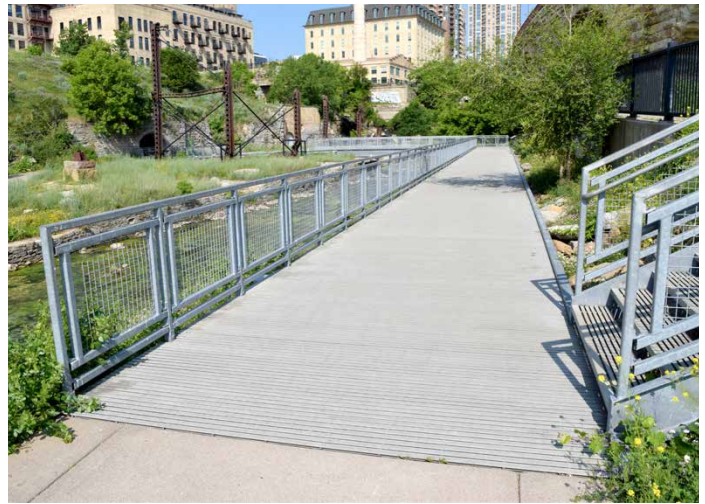
Case Study: DURAGRID®

Grating Holds Up Around Ruins

Strongwell recently inspected the walkways of Mill Ruins Park on a site visit. The project was originally outfitted in 2006 with pultruded grating manufactured by Strongwell.

The park was acquired in the early 20th century as part of a redevelopment initiative by the city of Minneapolis to create a central riverfront park for the downtown portion of the city. Today, the park offers visitors an opportunity to explore the ruins of multiple water-powered flour mills which flourished along the Mississippi River in a previous era. To tour these ruins, a path was constructed in 2006 using pultruded fiberglass grating as a long-term, cost-effective approach to park maintenance.

Strongwell provided the materials for the contractor, L.S. Black Construction, to outfit the walkways. Two variations of Strongwell's composite pultruded grating were used for this project. For the pedestrian walkways, T-1800 DURAGRID® 1" grating was used. For stair treads, DURAGRID® T-3300 2" grating was used to complement the walkways. Both products were (and continue to be) manufactured at Strongwell's production facility in nearby Chatfield, Minnesota.



Upon inspection, the product was reported to be in great operational condition. All of the panels are intact and continue to be used on a daily basis by park visitors with little to no maintenance requirements. ●

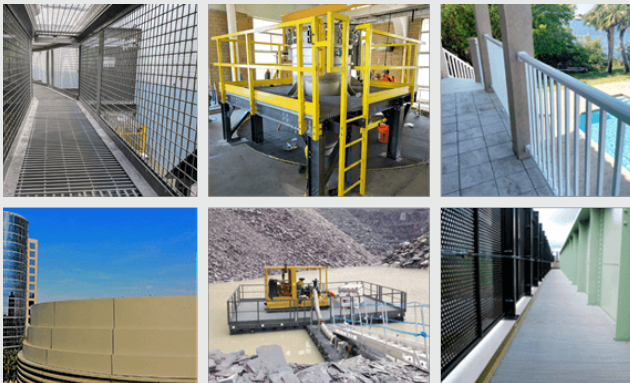


Let Us Promote Your Project

Did you use Strongwell products in a project you want to showcase? We are always looking for applications that demonstrate the benefits of pultruded FRP and show how versatile our products are.

To get started, fill out the form here:

www.strongwell.com/submit-case-study



Looking for PDH Credits? Learn About FRP!



Would you and your team like to learn more about: the pultrusion process, pultruded FRP, how to specify, or take a deep dive into something more specific?

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Strongwell can offer Professional Development Hours (PDH) for free presentations offered by our experienced Sales Directors and Structural Engineers, and topics can be customized to meet your need.

Contact us to schedule: info@strongwell.com



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Case Study: EXTREN®

Composite Bridges Enable Trail Access

Cooper River Park measures almost 350 acres and occupies four townships in New Jersey. The main feature of this park is the Cooper River, one of the longest, unbroken straight river courses in the United States. Historically, this natural attribute made the navigable waterway infamous by becoming the preferred route to transport agricultural products throughout the northeast.

Today, the park and the river have been repurposed for outdoor sports such as competitive sailing and rowing, both of which generate millions of dollars in revenue for the surrounding communities.

When not hosting regattas, the park provides plenty of hiking, biking, strolling, and picnicking outlets for residents and tourists.

Recently, Areté Structures and Compass Construction



designed and installed four pedestrian bridges for the Camden County Parks Department, who is responsible for maintaining the park. The parks department specified FRP for the structure of the four truss-style bridges. Each bridge varies in lengths from 25 feet to 40 feet and each measures 6 feet in width to easily accommodate two-way pedestrian and bike traffic.

The bridges utilized a truss network design outfitted with EXTREN® Series 500 structural shapes. The coupled use of Strongwell's Design Manual and Areté's pedestrian bridge knowledge allowed structural pieces to be pre-fabricated offsite and delivered onsite for ease of final assembly. Delivery and installation for each bridge was accomplished in a much abbreviated timeline in comparison to steel.

Through the introduction and retrofit with fiberglass components, structures like these FRP bridges ensure years of uninterrupted trail access for outdoor enthusiasts. ●