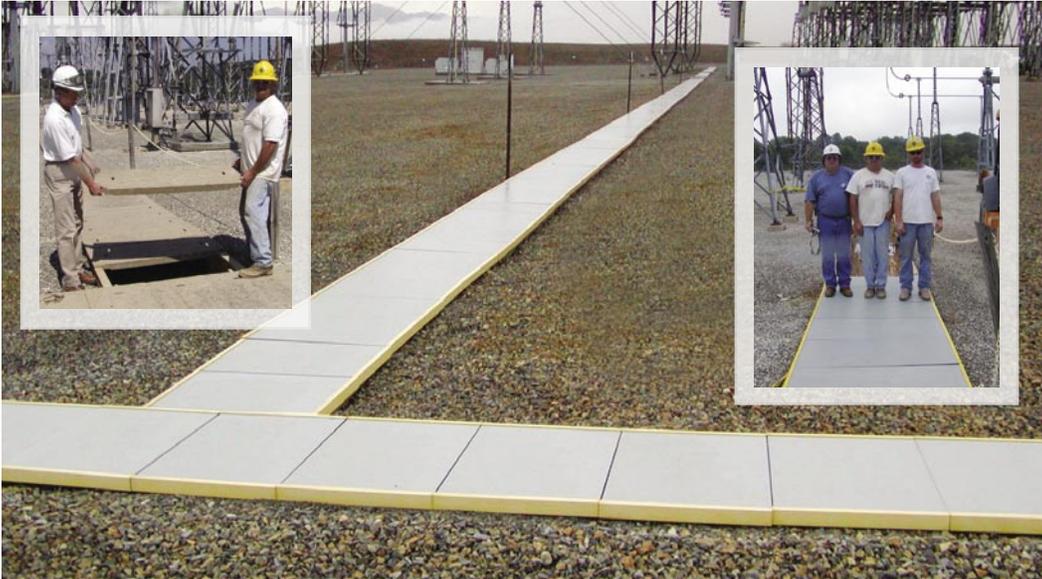


THE PROFILE NEWSLETTER

WINTER
2008



Lightweight Fiberglass Utility Covers Replace Heavy, Substation Concrete

Strongwell allied fabricator, GEF Incorporated, has developed a new utility trench cover system trade named UTILICOVER™. The cover's design incorporates Strongwell's SAFPLANK® fiberglass panels and EXTREN® Channels.

UTILICOVER™ fiberglass trench covers are the ideal alternative to concrete trench covers for substations. The strong and durable fiberglass cover system installs easily and can be quickly removed for trench access by one person. The UTILICOVER™ fiberglass cover is extremely lightweight, half the weight of heavy concrete panels, and can be lifted by one person with far less risk of back injuries or other injuries.

Unlike concrete, UTILICOVER™ panels are individually adjustable to accommodate

inconsistencies in trench width. Despite the larger spans shown here, the typical trench span is 24". At that span, with a 500 lbs. point load at mid-panel, deflection is approximately 1/8".

Two substation installation jobs in Virginia and Tennessee were completed in March of 2007. Benefits of the new covers were obvious and immediate. In the course of six and a half days, a three-man crew used only twelve tons of

UTILICOVER™ panels to replace seventy tons of concrete covers! The project manager stated the UTILICOVER™ covers were installed more quickly by hand than the concrete covers could be removed with an excavator.

If you are located in West Virginia, Ohio, Pennsylvania, Maryland, Virginia, North Carolina, Kentucky or Indiana and are interested in UTILICOVER™, visit www.gefinc.com. All other inquires in other states can be submitted to Strongwell at www.strongwell.com ●

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Case Study: DURAGRID®

Attractive Pultruded Grating Avoids Hazards At Popular Golf Course

The Muirfield Village Golf Club, designed by Jack Nicklaus, offers an outside patio deck for players to relax and have a snack between nines. After years of constant moisture and the steady pounding of golf shoes, the wood deck had become a safety hazard and required replacement.

The project's contractor, Rucilli Construction of Ohio, sought the expertise of the McNichols Company to provide the best solution for replacement. McNichols, a distributor of Strongwell's fiberglass products, understood the benefits of fiberglass grating and recommended Strongwell's DURAGRID® T-1800 pultruded grating.

DURAGRID® is Strongwell's line of custom fiberglass grating that offers the customer options such as selection of open space, bar shape, cross-rod placement, custom fabrication, custom resin or color. DURAGRID® T-1800 is a "T" bar shape with 18% open space between bars. By



selecting DURAGRID® as a replacement over traditional materials, the Muirfield Village Golf Club solved maintenance and safety issues caused by the previous wood decking and took full advantage of the aesthetic and structural benefits offered by the pultruded grating.

Strongwell manufactured the DURAGRID® T-1800 using a custom pigmented resin. The result resembled

painted wood. Future maintenance will also be reduced because all Strongwell pultruded products are corrosion resistant.

The DURAGRID® grating produced a solid walking surface that met ADA requirements and the 0.375" of open space meant adequate drainage was available. In addition, the round silica grit that is bonded to the surface of DURAGRID® gave the deck a safe, non-skid surface. ●

Case Study: STRONGRAIL® & EXTREN®

STRONGRAIL® Protects Pedestrians from High Voltage Train Tracks

Crusader Fence Co, Inc. selected STRONGRAIL® fiberglass architectural handrail system for customer San Mateo County Transit District in California. The handrail was to serve as a safety fence for the district's Burlingame Caltrain Station. STRONGRAIL® was the smart choice

because of the fiberglass handrail's low electrical conductivity and high strength. The STRONGRAIL® fence prevents pedestrians from contacting grounded train track rails.

The STRONGRAIL® style selected was black 2" square rails with 1" square pickets. The fence sections connected using STRONGRAIL® square tube posts and caps. Additionally, Strongwell fabricated decorative rings for the fence with EXTREN® fiberglass structural tubing.

Installation of the lightweight fiberglass handrail went smoothly, a very important consideration when



working between live track lines with trains moving at speeds up to 80 mph!

The San Mateo County Transit District was well pleased with the results and commented that the installation looked "California Cool". ●



Case Study: SAFRAIL™, EXTREN® and DURADEK® Fiberglass Access Platforms Installed Quickly and Efficiently

Drilling Specialties required new access platforms to be located over wastewater recycling tanks. The previous steel structures had corroded beyond safe use due to a chlorine rich environment. Drilling Specialties needed a solution that would produce a minimum of fabrication dust around equipment that needed to remain in service during installation. Strongwell supplier EPSCO International provided a fiberglass solution that would remain corrosion free and would be installed efficiently and cleanly.

EPSCO selected Strongwell's EXTREN® 8" channel and 6" wide flange beams to support the platforms while DURADEK® I-6000 1-1/2" pultruded grating served as the platform flooring. SAFRAIL™ industrial fiberglass handrail completed the fiberglass platform.



Drilling Specialties was not only satisfied with the installation, but was surprised at how fast the platforms went up, requiring almost no downtime to the purification system. ●



Case Study: Fiberglass Baffles and EXTREN®

Lightweight Baffles Double Facility's Capacity

In the first quarter of 2008, two 65' diameter wastewater treatment facility tanks were re-fitted with Strongwell's fiberglass baffle system. The baffle panels are an integral component to the activated sludge process designed by H.R. Green and Associates of Cedar Rapids, Iowa.

The baffle panels were stacked 28' high inside each tank. Installation was easy because the panels are lightweight. The corrosion resistant fiberglass product will also have a much longer life cycle when compared to the previous system's redwood, which rotted.

After the installation, the customer reported the new process more than doubled capacity to treat wastewater. ●

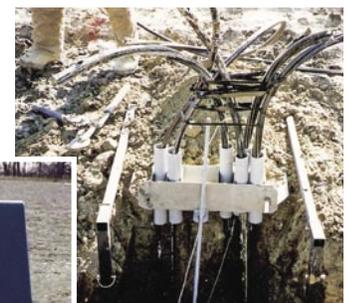
Case Study: EXTREN® A Smart Solution to Sinking Transformers

Problems caused by sinking transformers have plagued the power industry with increased maintenance costs and safety issues. The innovators at Anderson Technologies have designed the SUPPORT-A-PAD™ to prevent movement and hold the transformer in place.

To construct the SUPPORT-A-PAD™, Anderson Technologies selected Strongwell's EXTREN® Series 500 structural shapes and plate. EXTREN® was selected because the SUPPORT-

A-PAD™ needed to resist corrosion and had to be non-conductive due to the exposed electrical wires supported by the device.

The final product resulted in a lightweight, fiberglass construction that was easy to fabricate, corrosion resistant, and strong enough to support up to a 100 kVA transformer. ●



Newsmaker: Strongwell.com Literature Updates

Strongwell.com Literature Page Updated, Application Profiles Now Online

Strongwell.com has now made viewing and requesting literature much more organized and accessible. The literature is now organized by product line and language. A “New and Recently Updated” section also makes it easy to stay up to date on the latest additions or edits to the Strongwell literature library. Each piece of literature is represented with a thumbnail image of the document’s cover and users have the choice of immediately viewing a digital copy or requesting a printed copy via a new online order form.

In addition to updating the literature web page, Strongwell has placed the company’s entire library of Application Profiles online. Visitors seeking to know more about how Strongwell’s products are used can browse the applications by market, product or view the latest additions to the library.

Visit Strongwell.com today and click on the “Literature” link to view the new pages. ●



Above: To learn more about Strongwell product implementations, visit the new Application Profiles web page.

Left: The updated Literature page on Strongwell.com is better organized and easier to access.

STRONGWELL. People

**Shannon Burnette -
Customer Service
Representative**



Strongwell’s International Business Group welcomes Shannon Burnette as Customer Service Representative. She is a graduate of Virginia Intermont College with a Bachelor of Science degree in Management and Leadership.

Shannon has over 11 years experience in several different aspects of the customer service field.

**Jeff Finley -
Manager of
Industrial Products**



Strongwell congratulates Jeff Finley on his recent promotion to the position of Manager of Industrial Products, Chatfield Division. Jeff previously held the position of Inside Sales Manager at Chatfield.

Jeff has been a part of the Strongwell team for twenty-three years and has a great wealth of knowledge and experience in the pultrusion industry.

The Profile Newsletter is published quarterly by the Strongwell Corporate Marketing Department. To receive a free subscription to this newsletter, write to the Corporate Offices of Strongwell on your company letterhead. Previous editions of *The Profile Newsletter* may also be found online at www.strongwell.com.
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