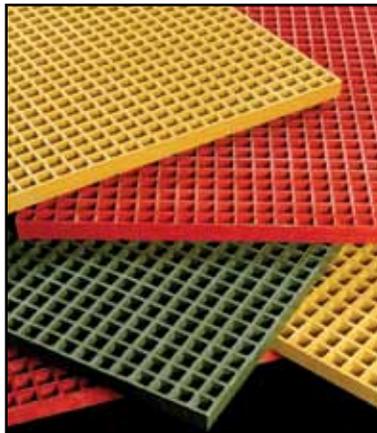
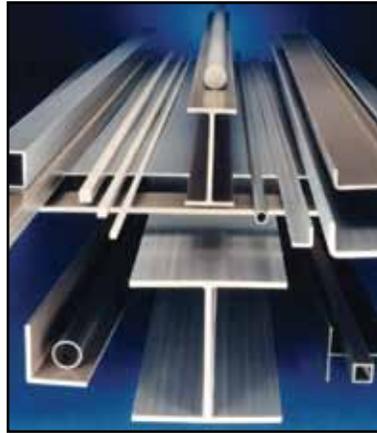


**STRONGWELL<sup>®</sup>**

# FIBERGLASS STRUCTURES & SYSTEMS

## THE INDUSTRIAL PRODUCT LINE



# Industrial Products



Left to right - **EXTREN®** Series 500 (polyester resin), Series 625 (vinyl ester resin with flame retardant), Series 525 (polyester resin with flame retardant).

Strongwell offers the broadest range of fiberglass structural materials, systems and fabricated structures available from a single source. Following is a brief description of the main products in the Strongwell industrial product line. Complete full-color brochures are also available for each individual product.

## EXTREN®

EXTREN® fiberglass structural shapes and plate are produced and stocked in three different resin series and in more than 100 shapes and sizes for various applications and environments. All EXTREN® shapes have a surfacing veil to increase corrosion and UV resistance and prevent fiber exposure while in service. FIBREBOLT® fiberglass studs and nuts are available to use with EXTREN® as an alternative to metal fasteners in applications that must be strong, noncorrosive, low in conductivity and/or transparent to electromagnetic waves.



This **DURADEK®** fiberglass grating walkway in an Arizona processing plant is virtually maintenance free.



Standard **DURAGRATE®** grating has a concave profile on the upper surface for skid resistance. Grit tops and plated tops are optional.

## DURADEK®/DURAGRID®

DURADEK® high strength fiberglass grating is a pultruded bar type grating that can be designed and used like traditional metal grates. The individual bearing bars are either "I" bar or "T" bar shapes. DURADEK® is lightweight, easy to install and often lasts up to 20 times longer than steel in corrosive industrial environments. DURAGRID® is a line of custom manufactured grid or grating systems for applications that cannot effectively be met by the standard DURADEK® line. DURAGRID® offers options such as selection of open space, bar shape, cross-rod placement, custom resin, color or size.

## DURAGRATE®

DURAGRATE® molded fiberglass grating is a strong square or rectangular mesh grating that allows efficient on-site cutting to minimize grating waste. Molded in one piece with a plain, concave, non-slip walking surface, DURAGRATE® is the chemical resistant flooring choice for many industrial applications. Load bearing bars in both directions allow for use without continuous side support.

## COMPOSOLITE®

COMPOSOLITE® is a building panel system suitable for load bearing structural applications. Interlocking components make it possible to design fiberglass structures at significantly lower costs for a broad range of construction applications including FRP buildings, bridge decks and enclosure systems, platforms and walkways, tank covers and cellular enclosures.

(NOTE: COMPOSOLITE® is a registered trademark of Maunsell Structural Plastics, Ltd. and used by Strongwell Corporation pursuant to license.)



**COMPOSOLITE®** panels withstand the harsh environment of cooling towers with ease. The panel system not only provides excellent structural properties, but the rot and corrosion resistant panels will last for years to come.



This **SAFRIL™** industrial fiberglass handrail and ladder system was installed at Sea World in Florida for low maintenance and long-lasting durability.

## SAFRIL™

A fiberglass handrail system that is specially designed to be prefabricated or easily fabricated on-site, SAFRIL™ is engineered to provide years of low maintenance service. OSHA approved SAFRIL™ handrail can be easily adapted to your design requirements. A SAFRIL™ round handrail system and SAFRIL™ ladders and ladder cages are also available.

# Industrial Products

## DURASHIELD®

DURASHIELD® fiberglass foam core panels are tongue-and-groove pultruded panels composed of a fiberglass skin over a foam core. The fiberglass skin is available in an isophthalic polyester or vinyl ester resin, both of which are fire retardant. Panel sizes include 1" x 12" (R factor 7) panels and 3" x 24" (R factor 21) panels. DURASHIELD® panels can be produced in any shippable length.

## DURASHIELD HC®

DURASHIELD HC® is a cost-effective alternative to DURASHIELD® due to its unique hollow core design with internal stiffeners. The panel is a sensible choice for any type of roofing, flooring, enclosures, decking or screening that does not require insulation. It is a custom designed tongue-and-groove building panel for quick assembly and easy installation in various applications.

## SAFPLATE®

SAFPLATE® fiberglass gritted plate is a tough, corrosion-and-slip-resistant floor plate composed of EXTREN® fiberglass plate with an anti-skid grit surface. Designed for use where open floor grating is not suitable, SAFPLATE® is a long-lasting, maintenance-free alternative to steel plate for solid surfaces.

## FIBERGLASS STRUCTURES

Strongwell's custom structural fabrication capabilities result in structures of cost effective design and structural integrity. Fiberglass structural materials produced by Strongwell are combined with Strongwell's extensive experience in fabrication procedures, engineering expertise, joint design and stress analysis of composite assemblies.

## SAFPLANK®

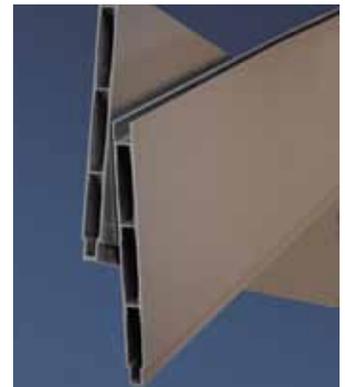
SAFPLANK® is a system of fiberglass panels designed to connect together for a continuous solid or slotted surface. SAFPLANK® provides safe, long-lasting walkways, cellular antenna screening panels, temporary flooring, covers and decking in environments where corrosion and water could create costly maintenance problems or unsafe conditions with other materials. When turned upside down, SAFPLANK® also functions as an excellent stay-in-place concrete forming system in applications where corrosion and weight are concerns.

## SAFDECK®

SAFDECK® is a system of 24" wide fiberglass panels designed to overlap for a continuous solid surface. SAFDECK® is intended to replace wood, aluminum or steel decking in environments where corrosion or rotting creates costly maintenance problems or unsafe conditions. Typical applications for SAFDECK® include cooling tower decking, temporary flooring, odor control covers, wind walls, roofing walkways and cellular antenna screening panels.



DURASHIELD® tongue-and-groove panels make construction of modular buildings, enclosures and tank covers easy.



DURASHIELD HC® is the hollow-core version and DURASHIELD® panels. The panel is sensible for many flooring, roofing and enclosure applications that do not require insulation.



SAFPLATE® fiberglass gritted plate bonded to grating is being installed on a pedestrian walkway in Chicago. SAFPLATE® is available as either solid plate or bonded to DURADEK®/DURAGRID® grating to meet specific loading requirements.



Typical Strongwell **Fiberglass Structures** include beam, column and plate fabrications; fiberglass buildings using fiberglass panels; platforms and other custom fabrications using grating and handrail.

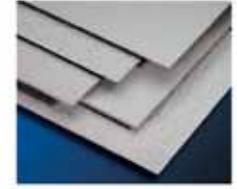


SAFPLANK® panels were installed as tank covers at a fish hatchery. The lightweight panels allow easy access to the tanks and provide a safe walking surface for the staff.

SAFDECK® is a high strength, one-piece, overlapping panel system. Low in conductivity and nonsparking, SAFDECK® provides safe walkways in numerous applications.



# Product Brochures

<p><b>STRONGWELL</b></p> <p><b>EXTREN</b> FIBERGLASS STRUCTURAL SHEETS AND PLATE</p> 	<p><b>STRONGWELL</b></p> <p><b>FIBERGLASS GRATING</b> DURAGRILLE and DURAGRILLE FIBERGLASS GRATING</p> 	<p><b>STRONGWELL</b></p> <p><b>COMPOSITE</b> FIBERGLASS BUILDING PANEL SYSTEM</p> 	<p><b>STRONGWELL</b></p> <p><b>SAF PLATE</b> FIBERGLASS GRATED PLATE</p>  <ul style="list-style-type: none"> <li>• Durability</li> <li>• Light Weight</li> <li>• Non-Slip Surface</li> <li>• High Strength</li> <li>• Non-Corrosive</li> <li>• Easy to Install</li> <li>• Wide Range of Colors</li> </ul> <p>SAF PLATE fiberglass grating is a high strength, non-slip, corrosion resistant, fire retardant, and easy to install grating system. It is made from a composite of fiberglass and resin, providing a long life span and excellent performance in a wide range of applications.</p>
<p><b>STRONGWELL</b></p> <p><b>FIBERGLASS STRUCTURES</b> CUSTOM STRUCTURAL FABRICATION</p> 	<p><b>STRONGWELL</b></p> <p><b>DURA GRADE</b> MOLDED FIBERGLASS SHEETS</p> 	<p><b>STRONGWELL</b></p> <p><b>FIBERGLASS DECKING SYSTEMS</b> SAFPLANK, SAFDECK and STRONGDECK</p> 	<p><b>STRONGWELL</b></p> <p><b>FIBRE BOLT</b> FIBERGLASS STUDS AND NUTS</p>  <ul style="list-style-type: none"> <li>• Corrosion Resistant</li> <li>• Easy to Fabricate</li> <li>• Low Maintenance</li> <li>• Non-Conductive</li> <li>• Resistant to Chemicals</li> <li>• Wide Range of Sizes and Colors</li> </ul> <p>FIBRE BOLT fiberglass studs and nuts are made from a composite of fiberglass and resin, providing a long life span and excellent performance in a wide range of applications.</p>
<p><b>STRONGWELL</b></p> <p><b>DURAGRILLE and DURAGRILLE HC</b> FIBERGLASS FOAM AND HOLLOW CORE BUILDING PANELS</p> 	<p><b>STRONGWELL</b></p> <p><b>SAFRAIL INDUSTRIAL HANDRAIL</b> INDUSTRIAL FIBERGLASS HANDRAIL SYSTEMS</p> 	<p><b>STRONGWELL</b></p> <p><b>SAFRAIL</b> LADDER AND CAKE SYSTEMS</p> 	<p>Strongwell industrial products are solving structural problems in literally thousands of specific applications across many industries. If you think one of these products may be suitable for your application, please call our Customer Service Department or visit our website at <a href="http://www.strongwell.com">www.strongwell.com</a> for more information.</p>

Product brochures shown on this page can be viewed as PDF files on Strongwell's website at [www.strongwell.com](http://www.strongwell.com).

To request a copy of product brochures, call the Strongwell Media Center at 276-645-8000 or send an email to [mediacenter@strongwell.com](mailto:mediacenter@strongwell.com).



**STRONGWELL**

ISO-9001:2008 Certified Manufacturing Plants



**BRISTOL DIVISION**

400 Commonwealth Ave., P.O. Box 580, Bristol, VA 24203-0580 USA  
(276) 645-8000, FAX (276) 645-8132

**CHATFIELD DIVISION**

1610 Highway 52 South, Chatfield, MN 55923-9799 USA  
(507) 867-3479, FAX (507) 867-4031

[www.strongwell.com](http://www.strongwell.com)

CVP5M0811  
©2011 Strongwell