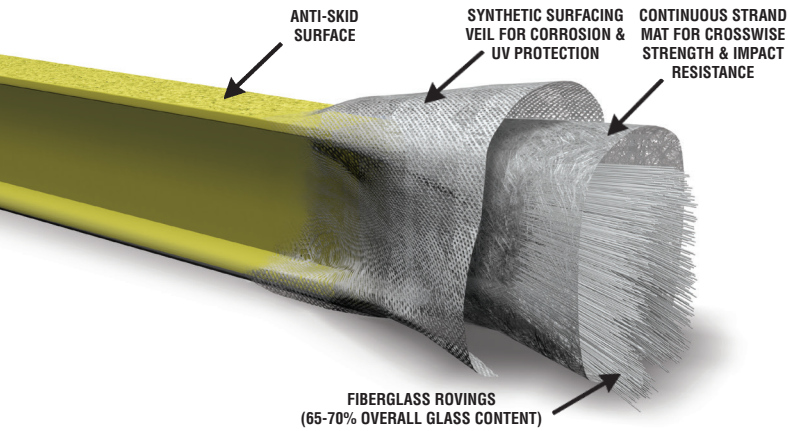


## DURADEK® PULTRUDED GRATING



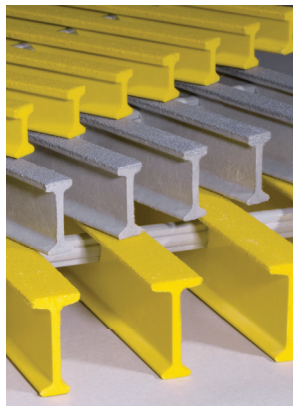
**DURADEK®** is high strength pultruded bar grating made exclusively in the U.S.A. that can be used like traditional metal grates or fiberglass molded grating but offers the inherent benefits of pultrusion. DURADEK® is an ideal replacement for steel, aluminum, or molded fiberglass gratings anywhere frequent grating and walkway replacement costs are unacceptable.

DURADEK® is stocked and available with bearing bars in 1" or 1-1/2" thick I-shapes or a 2" thick T-shape. 1" and 1-1/2" thick panels can be purchased in 3'x10', 3'x20', 4'x8', 4'x12', 4'x20', 5'x10', or 5'x20' sizes. 2" thick panels can be purchased in 3'x20', 4'x12', 4'x20', 5'x10', or 5'x20' sizes. All sizes of DURADEK® grating are available with a flame retardant polyester or vinyl ester resin system with bearing bars in a light gray or yellow color. All panels offer cross-rods spaced 8" on center and are either light gray (polyester) or black (vinyl ester).

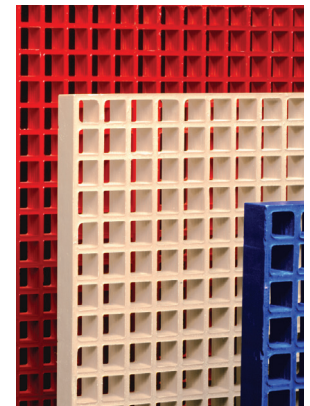
DURADEK® PULTRUDED GRATING			
SIZE	OPEN AREA	MAX SPAN*	APPROX. WEIGHT
1" I-6500	65%	42"	2.2 psf
1.5" I-6500	65%	54"	2.7 psf
2" T-5800	58%	61"	2.6 psf

\* Max Span for LL = 100 psf and Δ = 0.25"

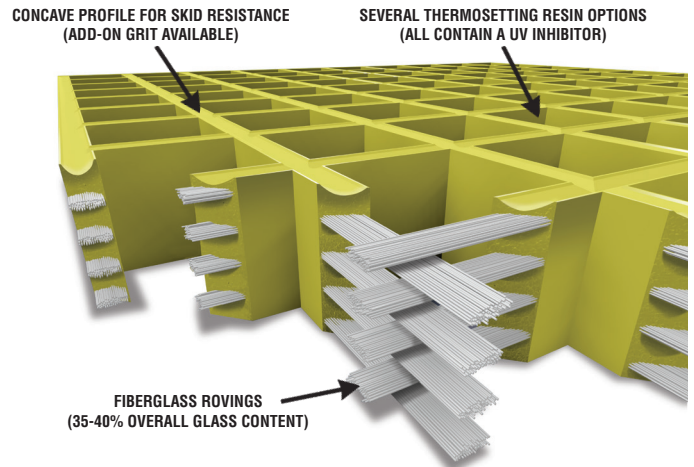
*This flyer is designed to show a direct comparison between DURADEK® and comparatively sized DURAGRATE®. Strongwell offers additional sizes and options of pultruded grating as DURAGRID® and additional sizes of DURAGRATE® molded grating - see each product brochure for more details.*



BENEFIT	DURADEK®	DURAGRATE®
High Impact and Fatigue Strength	•	•
Corrosion Resistance	•	•
Easy to Fabricate and Install	•	•
Lightweight & Structurally Strong	•	•
Fire Retardant	•	•
Low in Maintenance	•	•
Bidirectional Load Bearing		• (square mesh)
Low in Electrical and Thermal Conductivity	•	•
Resistant to Chipping and Cracking	•	•
Aesthetically Pleasing Appearance	•	•
Skid Resistance	•	•
<b>Made Exclusively in the U.S.A.</b>	•	•



## DURAGRATE® MOLDED GRATING



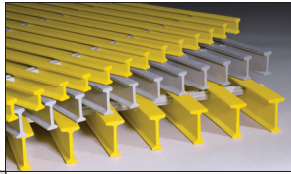
**DURAGRATE®** molded fiberglass grating is a premium-quality mesh grating panel made exclusively in the U.S.A. While molded grating is a chemical resistant flooring choice for many industrial applications, DURAGRATE® offers performance and quality superior to imported suppliers.

DURAGRATE® is available in 1", 1-1/2", or 2" thicknesses in various mesh configurations. Panels can be purchased in 3'x10', 4'x12', 5'x10', or 5'x12' sizes. All sizes of DURAGRATE® are available in a broad range of resin systems and colors.

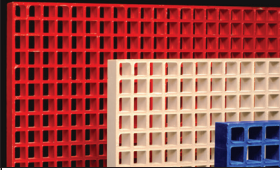
Panels are molded in one piece and feature a concave, non-slip walking surface. For additional non-skid properties, an add-on grit can be applied upon request.

DURAGRATE® MOLDED GRATING			
SIZE	OPEN AREA	MAX SPAN*	APPROX. WEIGHT
1" x 1.5" sq.	70%	28.8"	2.6 psf
1" x 1" x 4"	69%	31.0"	2.8 psf
1.5" x 1.5" sq.	70%	39.9"	3.8 psf
2" x 2" sq.	72%	46.3"	4.0 psf

\* Max Span for LL = 100 psf and Δ = 0.25"



**DURADEK®  
PULTRUDED GRATING**



**DURAGRATE®  
MOLDED GRATING**

<p><b>WHAT GIVES IT STRENGTH?</b></p>	<p>DURADEK® contains 65-70% glass. Higher glass content increases strength and stiffness. “I” and “T” bearing bar shapes in DURADEK® are highly efficient in strength-to-weight ratio (DURADEK® is stronger in the lengthwise (bearing bar) direction).</p>	<p>DURAGRATE® contains 35-40% glass. DURAGRATE® is available in square or rectangular bearing bar shapes. Square mesh molded grating offers bi-directional load strength and stiffness characteristics.</p>
<p><b>WHAT MAKES IT IMPACT RESISTANT?</b></p>	<p>DURADEK® contains glass mat which distributes impact loads to prevent surface damage.</p>	<p>DURAGRATE® does not contain glass mat and due to its higher resin content, is more susceptible to chipping and abrasion.</p>
<p><b>WHAT GIVES IT CORROSION RESISTANCE?</b></p>	<p>DURADEK®, with its polyester or vinyl ester resin systems, is resistant to corrosion caused by a broad range of acids, caustics, and salts.<sup>1</sup></p>	<p>DURAGRATE® is available in several resin systems which combat a broader range of acids, caustics, and salts. Additionally, DURAGRATE® has a 60-65% resin content, providing an excellent, resin-rich protection to fiberglass reinforcements from corrosive agents.</p>
<p><b>WHAT ABOUT SAFETY (NON-SKID)?</b></p>	<p>DURADEK® has a round silica grit bonded to the surface of bearing bars to provide an excellent non-skid surface.</p>	<p>DURAGRATE® has a built-in concave surface on all bearing bars to provide non-skid properties. Additional non-skid properties can be obtained by the application of an add-on grit.</p>
<p><b>HOW VERSATILE IS IT?</b></p>	<p>DURADEK® is available in 1" or 1-1/2" thick I-shapes or a 2" thick T-shape. Cross rods are always 8" on center. Panels are available in polyester or vinyl ester resin systems with bearing bars in light gray or yellow colors.<sup>1</sup> Because DURADEK® is stronger and stiffer in the lengthwise direction, installation where bearing bars traverse from support to support is required.</p>	<p>DURAGRATE® is available in 1", 1-1/2", or 2" thicknesses in limited panel sizes and grid configurations, based on available molds. A broad range of colors and resin systems are available. Due to its bidirectional strength and stiffness characteristics, square mesh DURAGRATE® can be installed in either the lengthwise or crosswise direction.</p>
<p><b>WHAT TOOLS ARE NEEDED TO FABRICATE IT?</b></p>	<p>DURADEK® can be field fabricated with simple carpenter tools and is easy to cut.</p>	<p>DURAGRATE® can be field fabricated with simple carpenter tools and is easy to cut.</p>
<p><b>WHAT GIVES IT UV RESISTANCE?</b></p>	<p>DURADEK® is manufactured with UV-inhibited resin systems and each component contains a polyester surfacing veil to combat fiber blooming and other UV damage.</p>	<p>DURAGRATE® is manufactured with UV-inhibited resin systems to combat fiber blooming and other UV damage.</p>
<p><b>HOW READILY AVAILABLE IS IT?</b></p>	<p>All series of DURADEK® are available for quick shipment.</p>	<p>A limited number of DURAGRATE® panels are kept in inventory for immediate shipment. Other panels are made upon request.</p>

<sup>1</sup> DURAGRID®, Strongwell's line of custom pultruded grating, is available with a wide array of options, including: color, resin system, panel size, cross rod spacing, and more.



ISO 9001 Quality Certified Manufacturing Plants

**BRISTOL LOCATION**

400 Commonwealth Ave., Bristol, VA 24201 USA  
(276) 645-8000

DURAGRATE® manufacturing location

**CHATFIELD LOCATION**

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

DURADEK® manufacturing location

www.strongwell.com