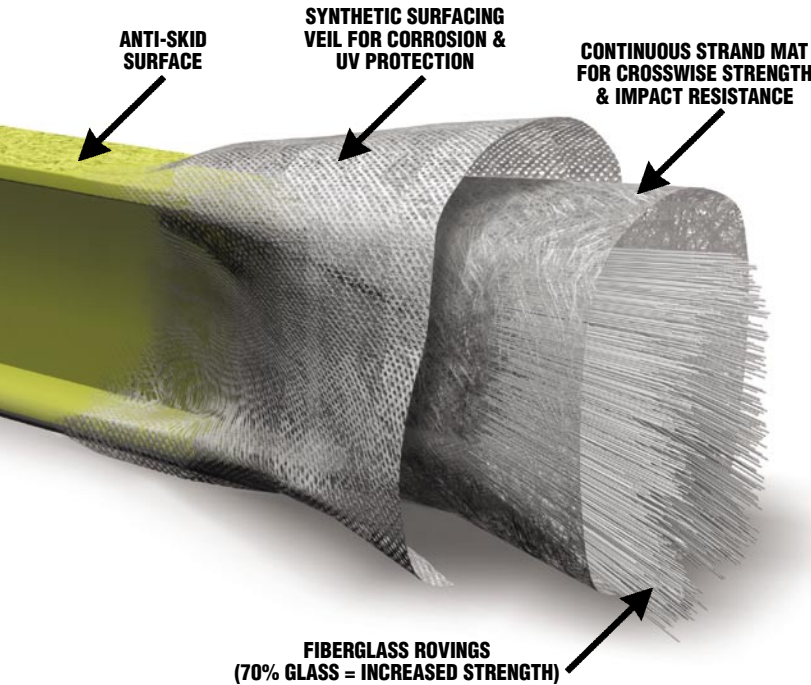


COMPARE

DURADEK® PULTRUDED GRATING

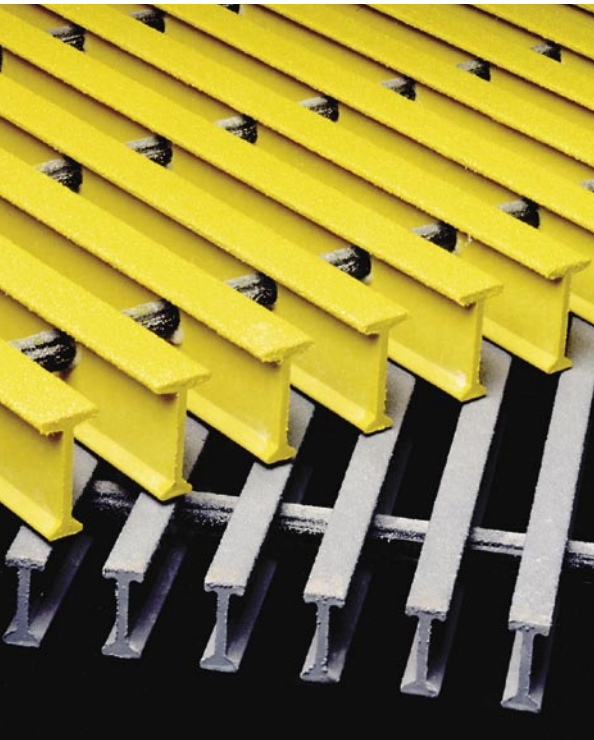
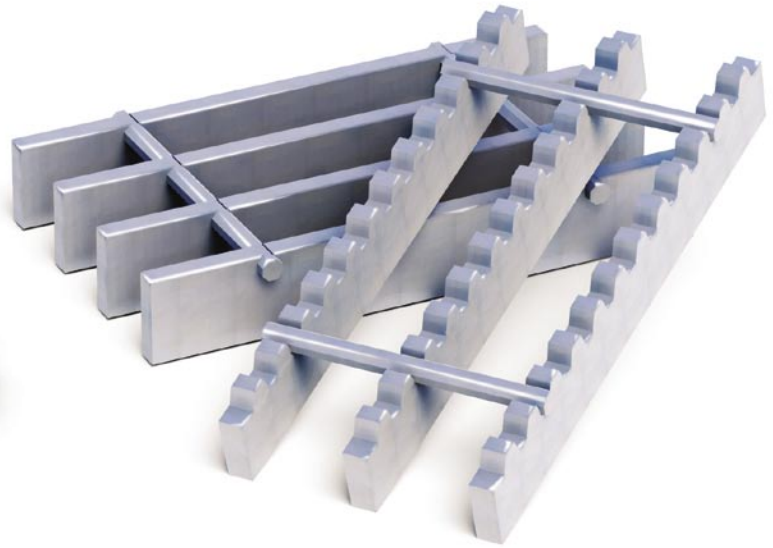
vs.

STEEL GRATING



CORRODES EASILY AND
REQUIRES CONTINUED
MAINTENANCE

STEEL GRATING WILL
PERMANENTLY DEFORM
UNDER IMPACT



Strongwell combines superior raw materials, composite design, and the pultrusion process to manufacture DURADEK®— the highest quality pultruded fiberglass grating available.

DURADEK® pultruded grating offers superior:

- **IMPACT RESISTANCE** — High ultimate strength prevents impact damage
- **CORROSION RESISTANCE** — Resists most acids, caustics and salts
- **SAFETY** — Low electrical conductivity, non-skid surface

In addition, DURADEK® is:

- **VERSATILE**
- **EASILY FIELD FABRICATED**
- **LIGHTWEIGHT** — 1/3 the weight of steel
- **FIRE RETARDANT** — Meets requirements of Class 1 rating of 25 or less per ASTM E-84 and the self-extinguishing requirement of ASTM D-635

DURADEK® contains **UV INHIBITORS** and can be custom manufactured in special **COLORS**.

For more DURADEK® design information, visit www.strongwell.com/designmanual for the online Strongwell Design Manual!

Is DURADEK® the best material choice to meet the requirements of your application?

Turn over to compare the features of DURADEK® pultruded grating and steel grating!

COMPARE!

**DURADEK®
PULTRUDED GRATING**

VS.

**STEEL
GRATING**

STRENGTH	DURADEK® I-6000, 1-1/2" 48" Span, Ultimate Load = 2032 PSF DURADEK® has a higher ultimate load carrying capacity.	3/16" x 1-1/2" Bar, 1-3/16" o.c. 48" Span, Ultimate Load = 1,160 PSF
WEIGHT	DURADEK® I-6000, 1-1/2" 3.3 PSF	3/16" x 1-1/2" Bar, 1-3/16" o.c. 11.0 PSF
IMPACT RESISTANCE	Glass mat in DURADEK® grating distributes impact load to prevent surface damage even under sub-zero temperatures. Will not permanently deform. Stays flat for the life of the product.	Will permanently deform under impact. Takes a permanent set (dishing) in trench applications due to overloading.
CORROSION RESISTANCE	DURADEK®, with its polyester resin, is resistant to corrosion caused by a broad range of acids, caustics and salts. Requires no painting or galvanizing.	Will rust even from water. Can cause galvanic corrosion. Requires painting or galvanizing for many applications.
SAFETY	DURADEK® has a round silica grit bonded to the surface of bearing bars for non-skid safety. Low in electrical and thermal conductivity.	Non-serrated bars are not skid resistant or only skid resistant in one direction. Grounding potential around electrical equipment.
VERSATILITY	DURADEK® can be purchased in a safety yellow or gray with the resin pigmented throughout the bar. No painting required.	Grating must be painted for color. To maintain color and corrosion resistance, repainting may be required.
EASY FIELD FABRICATION	DURADEK® can be field fabricated with simple carpenter tools, is easy to cut and is much easier to move and place because it is lightweight.	Requires special blades, torch, harder to cut. Requires lifting equipment to move and place.
BANDING	DURADEK® is an I-bar that does not leave a sharp edge when cut. The bars will not bend or deform in the lateral direction; therefore, DURADEK® does not need to be banded.	Cutting a rectangular steel bar leaves sharp edges. The flat bars will bend and deform in the lateral direction; therefore, steel should be banded.

THE CHOICE! DURADEK® High Strength, Pultruded Fiberglass Grating!



STRONGWELL
ISO-9001:2000 Certified Manufacturing Plants

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