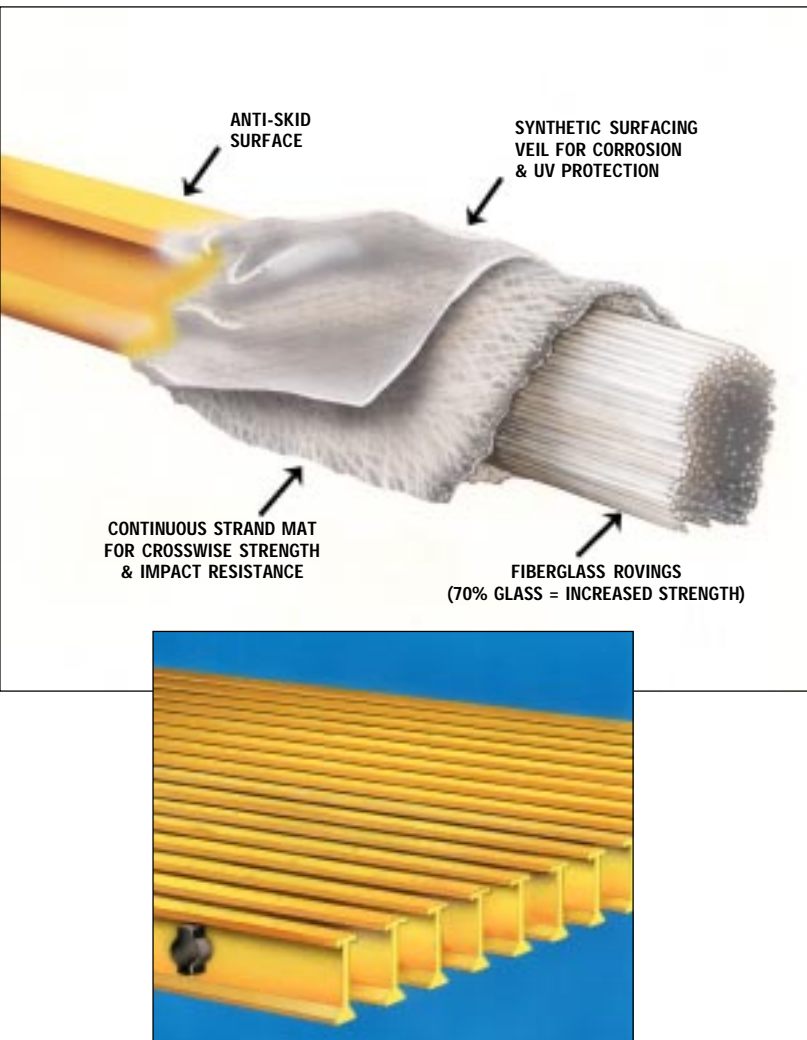


COMPARE

DURADEK® Pultruded Grating

vs.

Steel Grating



The superiority of DURADEK® is the result of the high quality raw materials used, the composite design and the pultrusion process. It is clear that DURADEK® grating offers superior:

- **IMPACT RESISTANCE**
High ultimate strength prevents impact damage
- **CORROSION RESISTANCE**
Resists most acids, caustics and salts
- **SAFETY**
Electrically non-conductive, non-skid surface

In addition, DURADEK® is:

- **LIGHTWEIGHT** — 1/3 the weight of steel
- **VERSATILE** • **EASILY FIELD FABRICATED**
- **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**. Features of both pultruded and steel grating critical to industrial applications are compared on a point-for-point basis on the back of this page.

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 vinyl ester resin, is corrosion resistant to 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. Electrically non-conductive.	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 Certified Manufacturing Plants

BRISTOL DIVISION

400 Commonwealth Avenue, P. O. Box 580, Bristol, VA 24203-0580 USA
(540) 645-8000 FAX (540) 645-8132

CHATFIELD DIVISION*

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

*DURADEK® manufacturing location

www.strongwell.com