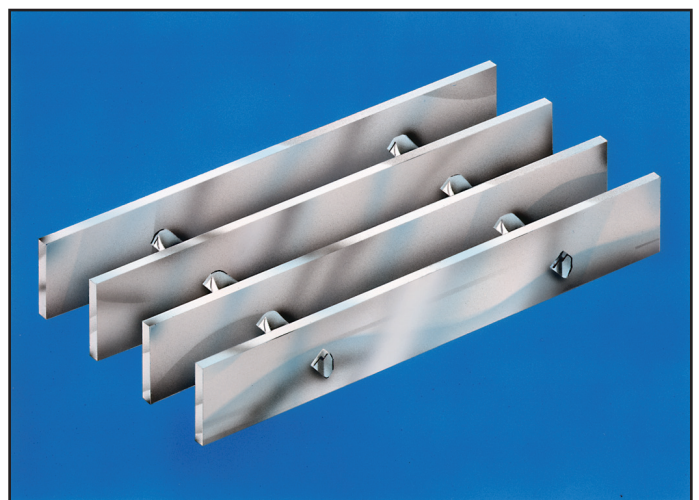
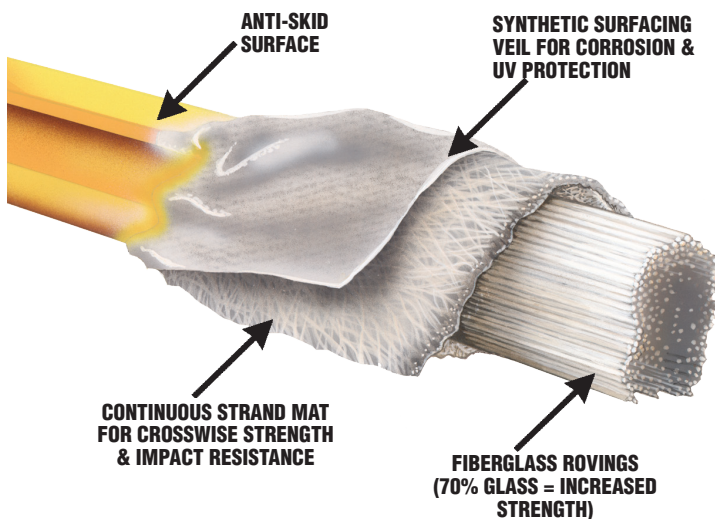
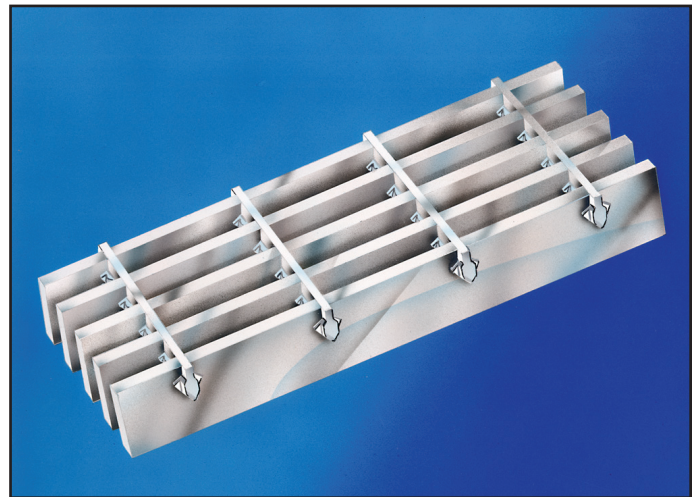
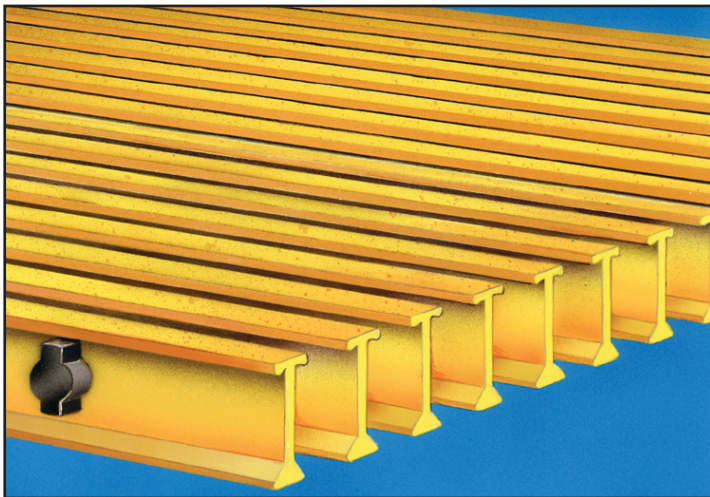


# COMPARE

## DURADEK® Pultruded Grating vs. Aluminum Grating



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

DURADEK® 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**
- **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
- **LIGHTWEIGHT** — 20-25% lighter than aluminum

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

*Is DURADEK® the best grating choice to meet the requirements of your application?  
Turn over to compare the features of DURADEK® fiberglass pultruded grating and aluminum grating!*

## COMPARE! DURADEK® PULTRUDED GRATING VS. ALUMINUM GRATING

<b>STRENGTH</b>	DURADEK® I-6000, 1-1/2" on center 48" Span, Ultimate Load = 2032 PSF DURADEK® has a higher ultimate load carrying capacity and is 20-25% lighter than aluminum.	3/16" x 1-1/2" Bar, 1-3/16" on center 48" Span, Ultimate Load = 774 PSF
<b>IMPACT RESISTANCE</b>	Glass mat in DURADEK® grating distributes impact load to prevent surface damage even in 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.
<b>CORROSION RESISTANCE</b>	DURADEK®, with its polyester or vinyl ester resin, is resistant to corrosion caused by a broad range of acids, caustics and salts.	Corrosion resistant to only a narrow range of chemicals. Can cause galvanic corrosion.
<b>SAFETY</b>	DURADEK® has a round silica grit bonded to the surface of bearing bars for an excellent non-skid surface. Low electrical conductivity.	Flat bars are not skid resistant or only skid resistant in one direction. Grounding potential around electrical equipment.
<b>VERSATILITY</b>	DURADEK® can be made a safety yellow or gray with the resin pigmented throughout the bar.	Only one color. Expensive anodizing is required to achieve other colors.
<b>EASY FIELD FABRICATION</b>	DURADEK® can be field fabricated with simple carpenter tools, is easy to cut and is lighter than aluminum.	Requires special blades and is harder to cut.
<b>BANDING</b>	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 aluminum bar leaves sharp edges. The flat bars will bend and deform easily in the lateral direction; therefore, aluminum should be banded.

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



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