

# COMPARE

## DURADEK® Pultruded Grating

VS.

## Aluminum 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:

- **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** — Lighter than aluminum

DURADEK® contains **UV INHIBITORS** and can be custom manufactured in special **COLORS**. Features of both pultruded and aluminum grating critical to industrial applications are compared on a point-for-point basis on the back of this page.

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DURADEK® PULTRUDED GRATING VS. ALUMINUM GRATING

<b>STRENGTH</b>	DURADEK® I-6000, 1-1/2" 48" Span, Ultimate Load = 2032 PSF DURADEK® has a higher ultimate load carrying capacity and is lighter than aluminum.	3/16" x 1-1/2" Bar, 1-3/16" o.c. 48" Span, Ultimate Load = 774 PSF
<b>IMPACT RESISTANCE</b>	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.
<b>CORROSION RESISTANCE</b>	DURADEK®, with its polyester or vinyl ester resin, is corrosion resistant to 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 non-skid safety. Electrically non-conductive.	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, silver. Other colors require expensive anodizing.
<b>EASY FIELD FABRICATION</b>	DURADEK® can be field fabricated with simple carpenter tools, is easy to cut and lighter than aluminum.	Requires special blades, 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!



**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