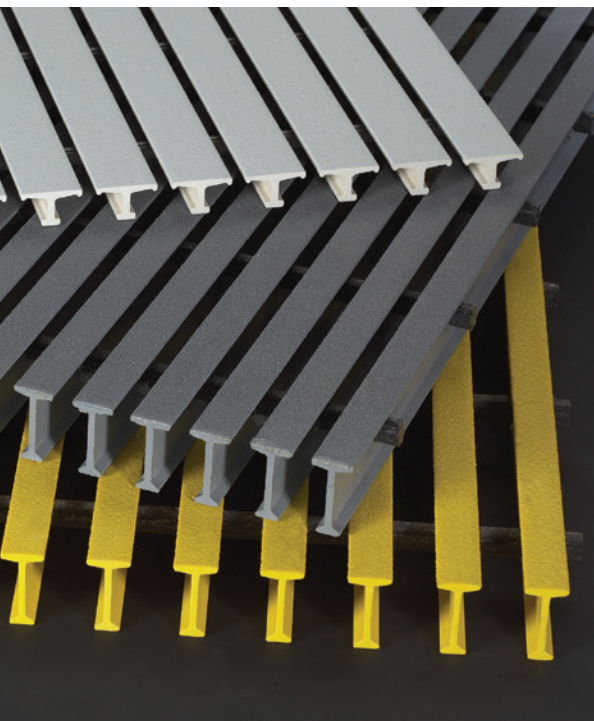
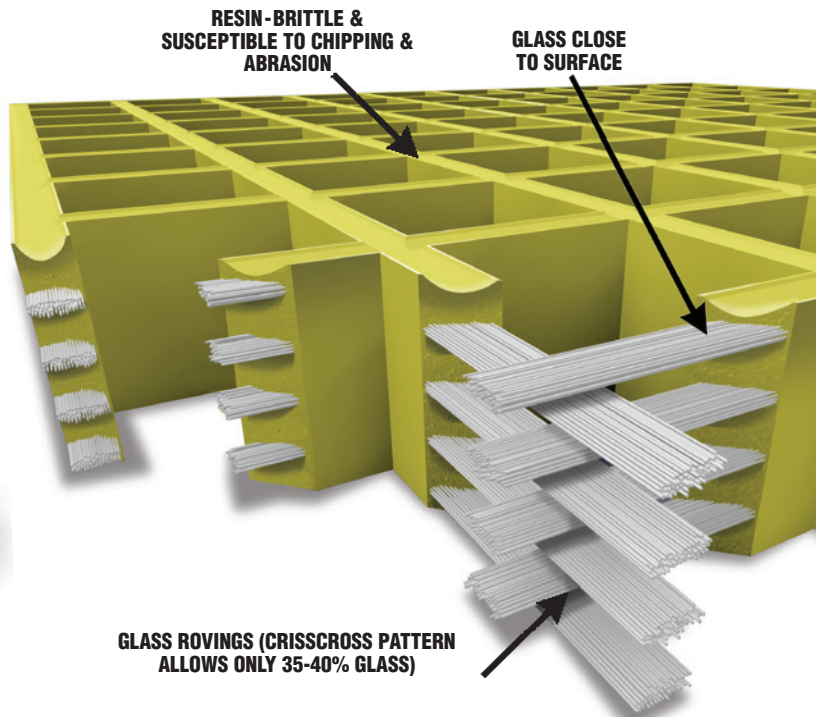
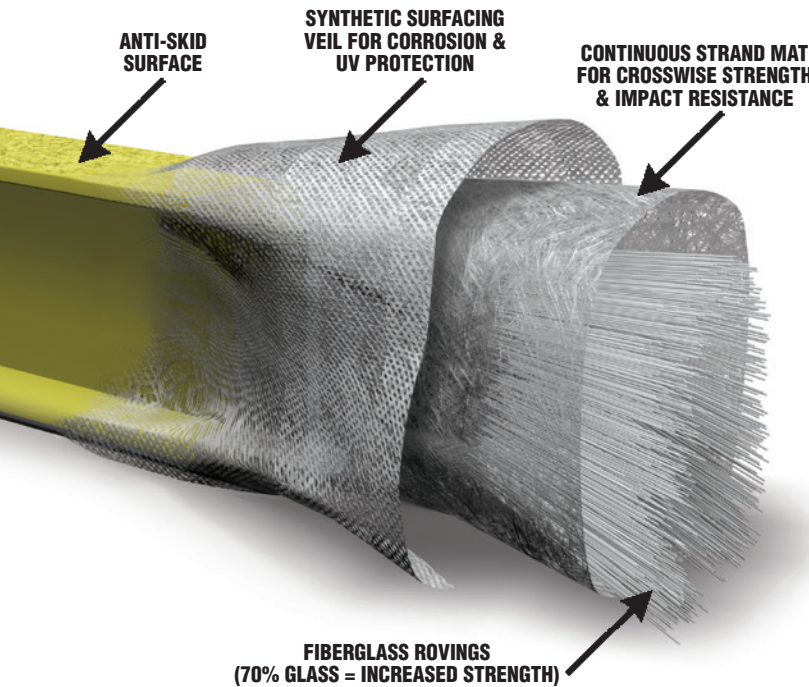


COMPARE

DURADEK® PULTRUDED GRATING

vs.

MOLDED GRATING



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:

- **STRENGTH** — 2 to 3 times stronger than molded grating
- **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
- 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 molded grating!*

COMPARE!

**DURADEK®
PULTRUDED GRATING**

VS.

**MOLDED
GRATING**

STRENGTH	DURADEK® is an engineered composite containing 65-70% glass. Higher glass content increases strength in composites. "I" and "T" bearing bar shapes in pultruded grating are more efficient in strength-to-weight ratio.	Because of cross-pattern interference, molded grating contains only 35-40% glass. All molded gratings have square or rectangular bearing bar shapes.
IMPACT RESISTANCE	DURADEK® contains glass mat which distributes impact loads to prevent surface damage and provides good transverse strength.	Molded grating does not contain glass mat and is primarily made of resin, which is more brittle and susceptible to chipping and abrasion.
CORROSION RESISTANCE	DURADEK®, with its polyester resin, is resistant to corrosion caused by a broad range of acids, caustics and salts.” The pultrusion process precisely controls the alignment of glass fibers and the surfacing veil pushes the glass rovings away from the surface for a smooth, void-free, 100% resin-rich surface to protect the product from corrosion.	Molded grating has more resin content, but veils and mats are not used in the process. The molding process does not precisely control placement of glass. Rovings are allowed near the surface, where there is little resin cover. The molding process results in trapped air which causes voids — exposing grating directly to chemical attack.
SAFETY	DURADEK® has a round silica grit bonded to the surface of bearing bars for an excellent non-skid surface.	Molded grating usually comes either with no grit surface or with an angular, sharp grit surface which can chip easily and break off.
VERSATILITY	DURADEK® offers mixing options in bearing bar shapes and spacing, cross-rod spacing, panel sizes, resins, color, coatings and grit.	The shape of the mold dictates the grating — few options.
EASY FIELD FABRICATION	DURADEK® can be field fabricated with simple carpenter tools and is easy to cut.	Slightly more difficult to cut than pultruded grating.

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



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