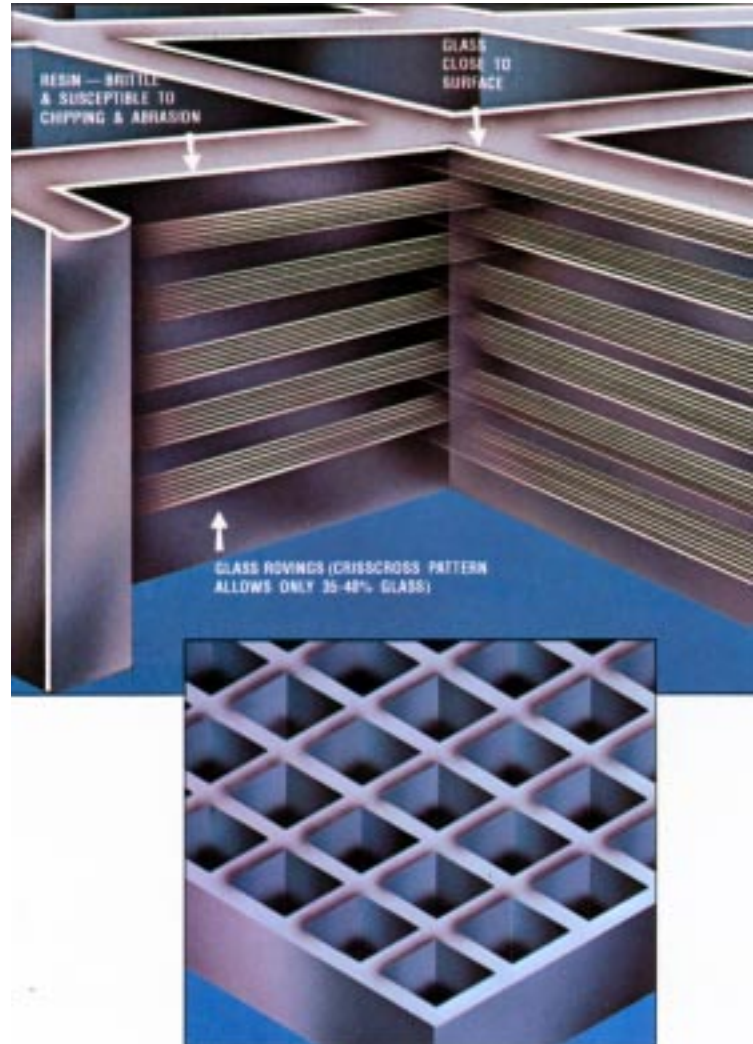


COMPARE

DURADEK® Pultruded Grating

vs.

Molded 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:

- **STRENGTH** — 2 to 3 times stronger than molded grating
- **IMPACT RESISTANCE** — Contains glass mat to distribute impact loads and prevent chipping
- **CORROSION RESISTANCE** — Surface veil pushes glass away from surface for 100% resin rich surface

• **SAFETY** — More durable non-skid surface
In addition, DURADEK® is:

- **VERSATILE** — To suit application
- **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 molded grating that are critical to an industrial application are compared on a point-for-point basis on the back of this page.

COMPARE! DURADEK® PULTRUDED GRATING VS. MOLDED GRATING

STRENGTH	<p>DURADEK® is an engineered composite containing 65-70% glass. Higher glass content increases strength in composites.</p> <p>"I" and "T" bearing bar shapes in pultruded grating are more efficient in strength-to-weight ratio.</p>	<p>Because of cross-pattern interference, molded grating contains only 35-40% glass.</p> <p>All molded gratings are square or rectangular bearing bar shapes.</p>
IMPACT RESISTANCE	<p>DURADEK® contains glass mat which distributes impact loads to prevent surface damage and to provide good transverse strength.</p>	<p>Molded grating does not contain glass mat and is primarily resin which is more brittle and susceptible to chipping and abrasion.</p>
CORROSION RESISTANCE	<p>DURADEK® uses the highest quality, most corrosion resistant polyester and vinyl ester resins, glass mat and surfacing veil.</p> <p>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.</p>	<p>Molded grating has more resin content, but veils and mats are not used in the process.</p> <p>The molding process does not precisely control placement of glass. Rovings are allowed near the surface, with little resin cover.</p> <p>The molding process results in trapped air which causes voids — direct exposure to chemical attack.</p>
NON-SKID SURFACE	<p>DURADEK® has a round silica grit bonded to the surface of bearing bars for an excellent non-skid surface.</p>	<p>Molded grating usually comes either with no grit surface or with an angular, sharp grit surface which can chip easily and break off.</p>
VERSATILITY	<p>DURADEK® offers mixing options in bearing bar shapes and spacing, cross-rod spacing, panel sizes, resins, color, coatings and grit.</p>	<p>The shape of the mold dictates the grating — few options.</p>
EASY FIELD FABRICATION	<p>Standard DURADEK® with 6" on center cross-rods can be cut just like molded grating — without extra supports or waste.</p>	<p>Square mesh, molded grating has bi-directional span capability.</p>

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



STRONGWELL

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