



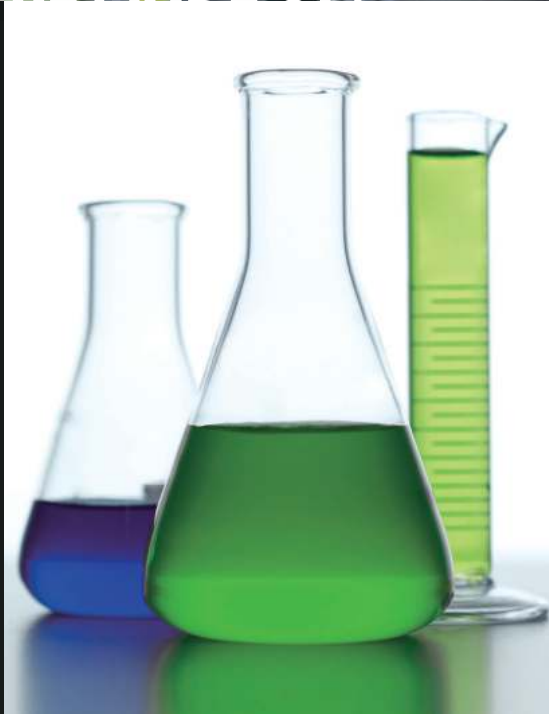
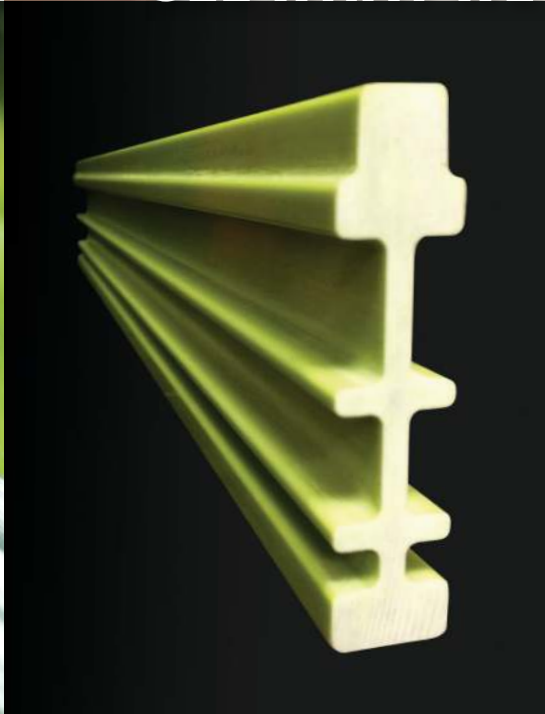
ROVEX[®]
XTREME FIBERGLASS

**deceuninck
technology**

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SEE WHAT WE'RE MADE OF.



ROVEX[®] -XTREME FIBERGLASS

What is Rovex?

Rovex[®] Xtreme Fiberglass is an advanced composite material that sets a new standard of performance for applications with the most demanding requirements.

A unique fusion of continuous glass fibers and highly engineered polyurethane resin results in an unmatched set of physical properties and performance characteristics.

Rovex redefines how a lineal profile can perform in the most demanding of conditions.

No other engineered material technology can rival the unique combination of high performance characteristics and properties at such a competitive price point.

Rovex means no trade-offs between thermal performance and structural integrity for products like floor-to-ceiling door systems, wall sized windows or commercial skylights. These products use large and heavy glass panels which require a framing material that is both strong and thermally efficient.

Energy Efficient

- Very low thermal conductivity – equal to wood and vinyl
- 1,000 times less conductive than aluminum
- Eliminates the need for expensive thermal break systems

Strong, Tough & Durable

- Stiffness 7.9 Million PSI Modulus (PVC: 0.4 Million, Aluminum: 10 Million, Steel: 30 Million)
- Excellent strength to weight ratio – equal to steel and aluminum
- Highly resistant to cracking, splitting, linear compression, screw pull out, abrasion and flexural fatigue
- Virtually zero water absorption
- Perfect for coastal environments as unaffected by salt air/salt water corrosion
- Excellent impact performance
- Takes no permanent set when stressed
- Unaffected by extreme hot/cold climates – allows for use in all climates

Flexibility of Finish Options

- Compatible with a variety of finish options, including: most paints, engineered lamination films and powder coating
- Deceuninck is licensed by Arkema Inc. to apply Kynar Aquatec[®] PVDF based finishes to Rovex[®] lineals for applications requiring long term outdoor color and gloss retention. Kynar Aquatec[®] finishes provide similar performance as the original Kynar 500[®] based coatings applied to aluminum (AAMA 2605) and can meet the requirements of AAMA 625 and AAMA 615.

Sustainability

- Renewable raw materials, including resin made from up to 20 percent bio based materials
- Environmental friendly chemistry – no styrene or peroxide
- Manufactured by the low-energy pultrusion process

Ease of Fabrication

Rovex can be cut and drilled using fabrication equipment designed for aluminum materials and assembled using aluminum joinery techniques, including mechanical fastening with corner gussets and screw fasteners. Rovex can also be joined and sealed with a variety of polyurethane compatible adhesives.

Expertise/Design/Manufacturing

As a leader in the fenestration industry for almost 50 years, Deceuninck understands the needs of the fenestration customer and the design performance required to meet the most demanding AAMA performance requirements. Deceuninck offers the complete solution including: engineering and design optimization; product development, testing support; fabrication tooling, layout, training and start-up assistance.

12 High-Value Attributes of Rovex

STRONG	TOUGH	RESISTANT	STABLE
Metal-like stiffness and strength	Highly resistant to fatigue failure	Extremely low thermal conductivity	Resistant to temperature extremes
High tensile and compression strength	Extreme abrasion resistance	Non-hygroscopic—near zero water absorption	Low thermal expansion and contraction
Virtually no creep or permanent set	Excellent impact resistance	Near zero electrical conductivity	High chemical and salt water resistance



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