

deceuninck



ROVEX[®]
FIBER-REINFORCED POLYMER

innergy-ap.com



WHAT IS ROVEX®?

Rovex is an advanced fiberglass reinforced polymer that combines the strength of aluminum with the thermal performance of polyamide. Manufactured using pultrusion technology, Rovex material offers strength, stability, flexibility, and impact resistance without using styrene or peroxide. It has high chemical resistance, is non-conductive, and is unaffected by extreme hot/cold climates.

ENERGY EFFICIENT

- Very low thermal conductivity – similar to wood and vinyl
- 700 times less conductive than aluminum
- Eliminates the need for expensive thermal break systems

STRONG, TOUGH, AND DURABLE

- Stiffness of 7.5 Million PSI Modulus (PVC: 0.4 Million, Aluminum: 10 Million, Steel: 30 Million)
- Excellent strength to weight ratio – similar to steel and aluminum
- Highly resistant to cracking, splitting, screw pull out, and flexural fatigue
- Virtually zero water absorption
- Perfect for coastal environments as it is 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 Kynar 500®-based coatings applied to aluminum (AAMA 2605) and can meet the requirements of AAMA 625 and AAMA 615.

SUSTAINABILITY

- Eco-friendly chemistry – no styrene or peroxide
- Manufactured by the low-energy pultrusion process

EASE OF FABRICATION

Rovex can be cut and drilled using diamond tipped tools and assembled using aluminum joinery techniques, including mechanical fastening with corner gussets and screw fasteners and corner key applications. Rovex can be joined and sealed with a variety of polyurethane compatible adhesives.

EXPERTISE, DESIGN, AND MANUFACTURING

As a leader in the fenestration industry for over 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	Very low thermal conductivity	Resistant to temperature extremes
High tensile	Extreme wear resistance	Non-hydroscopic (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



For more information, call 877-563-4251
or email dna.info@deceuninck.com

www.innergy-ap.com



The name and logo of Deceuninck, of its affiliated companies and of the products and services manufactured by them, are trademarks and trade names protected by national and international laws. Rovex is a registered trademark of Deceuninck North America, LLC. Kynar 500 and Kynar Aquatec are registered trademarks of Arkema Inc.