ROVEX®
FIBER-REINFORCED POLYMER

THE MATERIAL SCIENCE BEHIND INNERGY AP

- Advanced composite material technology sets a new standard for performance applications
- Manufactured from continuous strands of glass fiber and polyurethane resin, using precision pultrusion technology
- Redefines structural strength with thermal performance
- High resistance to linear compression, screw pull-out, abrasion, splitting and flexural fatigue

Let's talk about how you can incorporate an Innergy AP component into your existing system.

MEET US

Deceuninck North America
351 N Garver Rd
Monroe, OH 45050

EMAIL

dna.info@deceuninck.com

PHONE

513-539-5505

WEBSITE

innergy-ap.com

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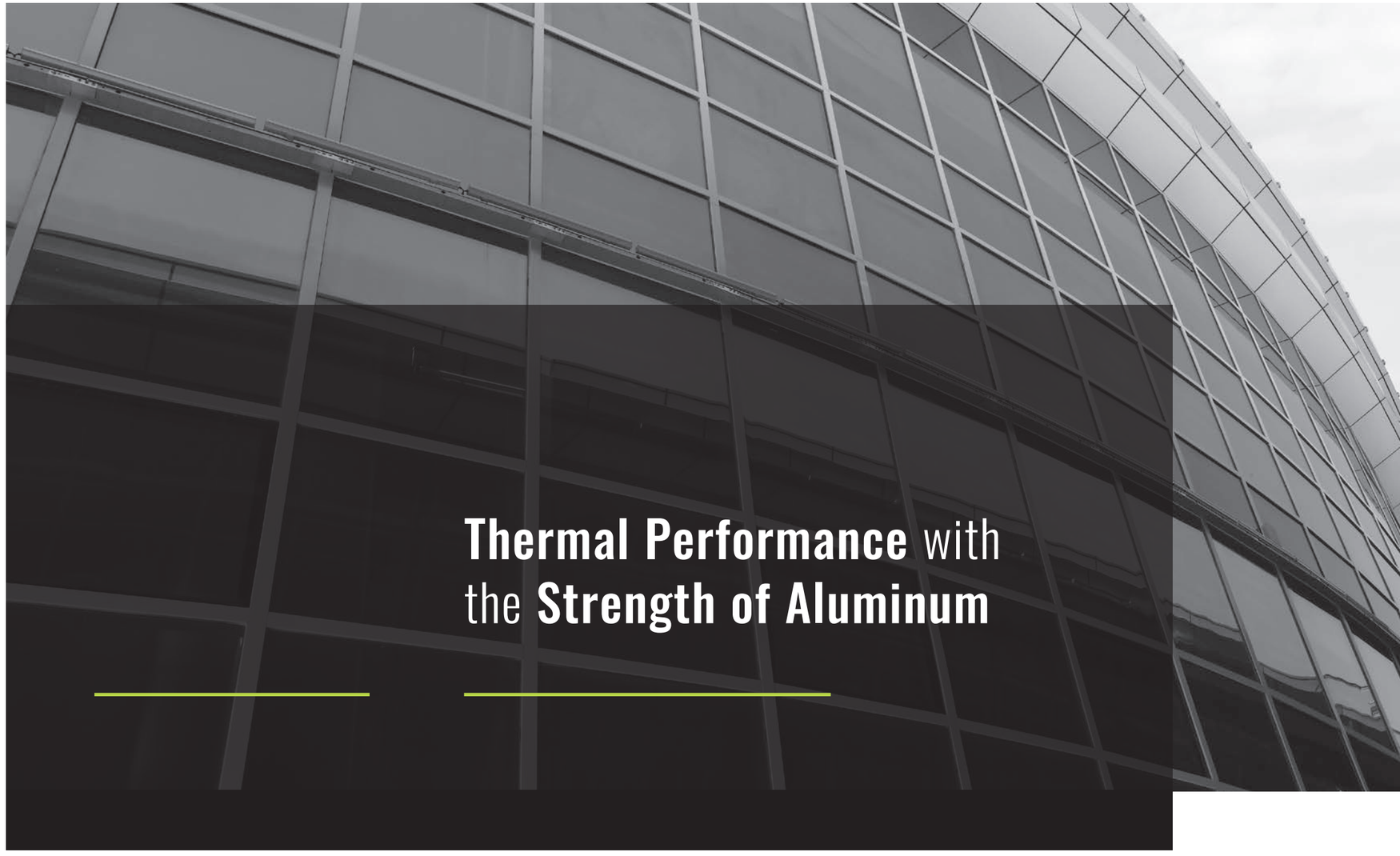
Part No. FEN-139-0121

INNERGY® AP
ARCHITECTURAL PRODUCTS



Thermal Performance with the Strength of Aluminum

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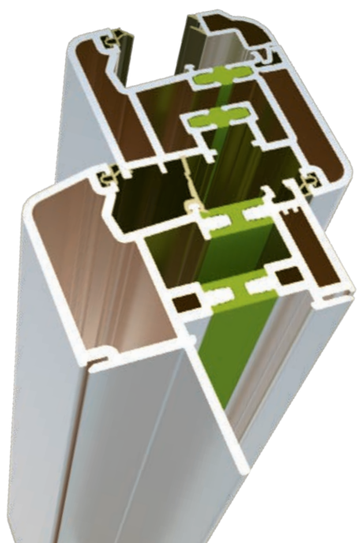

A NEW STANDARD FOR PERFORMANCE APPLICATIONS

Your existing systems. Your products. Your specs. Our engineering and material experts will customize products to enhance your system's proven performance.

Made from Rovex®, a revolutionary fiber reinforced polymer, Innergy AP components combine the strength of aluminum with the thermal performance of polyamide, improving the performance of your commercial fenestration systems.

Our products are custom-designed and manufactured to fit your existing systems.

Pressure Plates

No need to choose between the strength of aluminum or the thermal performance of polyamide: Innergy AP delivers both.

Structural Thermal Struts

Transforming thermal strut technology with greater strength and thermal performance.

Reinforcements

A high-performing alternative to traditional aluminum inserts.

Curtain Wall Components

Talk to our engineers about how Innergy AP components can enhance the performance of your existing systems.

MATERIALS COMPARISON

ROVEX®
FIBER-REINFORCED POLYMER

INNERGY® AP
ARCHITECTURAL PRODUCTS

	ATTRIBUTE					
MATERIAL	**Stiffness Flexural Modulus (Mpsi)**	**Specific Gravity**	**Density (lbs/in3)**	**Stiffness to Weight (FM/SG)**	**Thermal Coefficient of Expansion (µin/in-°F)**	**Thermal Conductivity (BTU-in/hr-ft2-°F)**
ROVEX® / INNERGY® AP	**7.5**	**2.10**	**0.076**	**3.6**	**3.4**	**1.522**
Aluminum	10.0	2.72	0.098	3.7	13	1109.357
Polyamide-6.6 Fiberglass	0.7	1.3	0.047	0.5	11-17	1.596
Polyester Fiberglass	1.6-3.5	1.84-2.00	0.066-0.072	1.8	3-11	2-5
Steel-Mild	29.0	7.85	0.284	3.7	6.5	346.674
Wood-Pine	1.3	0.47	0.017	2.8	2.78	1.116
Vinyl	0.4	1.45	0.052	0.3	33	1.179
Epoxy Carbon Fiber	19.6-25.0	1.48-1.60	0.053-0.058	15.6	1-2	3.5-5.5

Technical data for materials other than Rovex® are provided for reference only. Although every effort has been made to ensure that the information is correct, no warranty is given as to its completeness or accuracy.

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