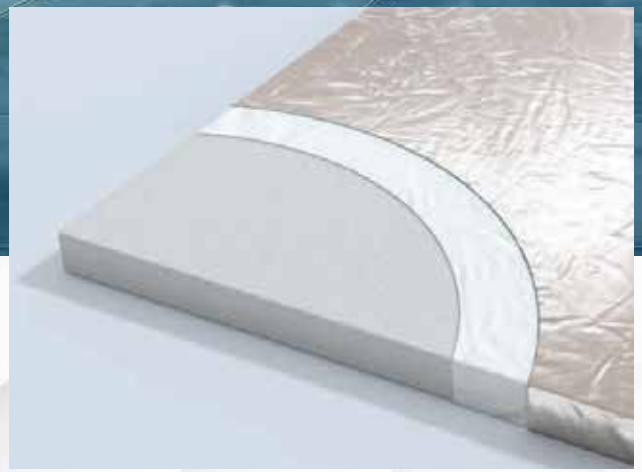
REFRIGERATED BODIES

E-VAN

EMBASSY

INTRODUCING

A BIG FOOT FORWARD IN INSULATED WALL TECHNOLOGY



COMPOSITE THERMAL LINER

E-VAN

ELECTRA-FLEX BODY

e-van1.com

COMMERCIAL EV VAN BODY

E-VAN

SEVNA E-VAN INSULATED LINER: THE ULTIMATE CLIMATE CONTROL SOLUTION FOR YOUR E-FLEET.

The SEVNA E-Van Insulated Liner represents a giant step forward in insulation technology. Utilizing a rigid vacuum insulation panel with a microporous core, encased in a thin, gas-tight envelope, this next-generation solution delivers exceptional thermal resistance in the slimmest possible design. Developed by SEVNA for a wide range of electric vehicle applications—from delivery vans to work trucks, RVs, and buses—it's time to rethink what's possible with insulation.

THE SEVNA ADVANTAGE: PERFORMANCE ACROSS INDUSTRIES

UNRIVALED THERMAL RESISTANCE
Achieve outstanding insulation performance, keeping cargo temperatures stable, extending EV range by reducing HVAC load, and enhancing passenger comfort.

ULTRA-THIN DESIGN
Maximize interior cargo space and maintain sleek vehicle profiles without compromising on insulation power. 2.5" thickness is ideal for space-constrained EV designs.

VERSATILE APPLICATIONS
Perfect for temperature-sensitive deliveries (frozen, refrigerated), climate-controlled work vehicles, comfortable and energy-efficient RVs, and passenger buses.

ADAPTABLE SYSTEMS
The SEVNA E-Van Insulated Liner can be integrated into various wall, roof, and floor systems, adapting to specific vehicle designs.

PRECISION INTEGRATION
Accompanied by rigid insulation infill strips for a seamless fit around complex areas and penetrations.

GET IT RIGHT FROM THE START: SEVNA'S DESIGN ASSISTANCE

Integrate the SEVNA E-Van Insulated Liner with confidence. Our supporting design service ensures optimal material usage and efficient panel layout for your specific project. We provide detailed layouts illustrating panel sizes, quantities, and placement, ready for your approval, maximizing the performance of the SEVNA system.

R-60 INSULATION RATING!

ALL SIDES AND SURFACES: CEILING, SIDEWALLS, FLOOR, FRONT AND REAR OF THE E-VAN'S CARGO SPACE.

This is a game changer!

See specifications below.

PROPERTY	TEST METHOD	RESULT
GENERAL		
Nominal Thickness	0.79 - 1.97 / 20 - 50 (in / mm)	
Nominal Panel Mass (lbs per sq. ft. / kg per m)		
20 mm thickness		0.82 / 4
25 mm thickness		1.02 / 5
30 mm thickness		1.23 / 6
35 mm thickness		1.43 / 7
40 mm thickness		1.64 / 8
Compressive Strength, Min. ASTM C165 (psi) @ 10% deformation		25

ASTM C1667 CENTER PANEL THERMAL RESISTANCE PROPERTIES

Insulant Thickness		Thermal Resistance
(in)	(mm)	(R–value)
1.57	40	49
1.97	**50**	**60**

CALCULATED EDGE EFFECT THERMAL RESISTANCE PROPERTIES

Insulant Thickness		Thermal Resistance
(in)	(mm)	(R–value)
1.57	40	46
1.97	50	57

EMBASSY®
2104 Aeroplex Drive N / Suite 101 / Elkhart, IN 46514

E-VAN ELECTRA-FLEX BODY

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