

ArmorONE™

Panels for Semi-Trailers

The New Standard for Strength and Lightweighting

Lighter, stronger, smarter.

*Improve trailer performance with our fast,
flexible, and economical technology.*



ARMORY TECHNOLOGIES

Smarter cores. Better panels.

Optimized for the trucking industry

Durable, economical, and sustainable, ArmorONE panels deliver a unique competitive advantage.

Freight is getting denser and fleets are loading more per trailer. With increasingly heavier vehicles, demand for more goods, and rising fuel costs – affordable lightweighting is essential.

ArmorONE composite panels reduce trailer weight while improving shear strength, stiffness, and trailer durability.

Lighter *and* Stronger

Save up to 2,000 lb per trailer with ArmorONE

ArmorONE panels are stronger and up to **59% lighter** than conventional foam panels.



ArmorONE

Steel
skinned



ArmorONE

Advanced
composite



Standard panel



Density (lb/ft³) Stiffness-to-weight Strength-to-weight

The ArmorONE Advantage:

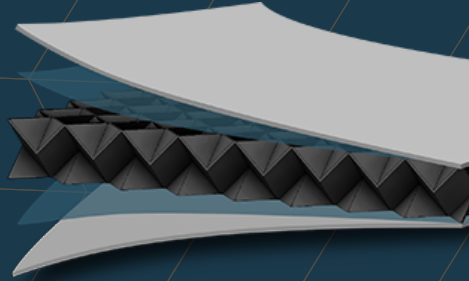
ArmorONE cores are less dense and offer higher stiffness- and strength-to-weight ratios than the foam cores of standard panels.

Origami Composites™ – A Breakthrough Core Technology

Improving performance through intelligent design

Developed through R&D with NASA and the National Science Foundation, Origami Composites harness the power of geometry to engineer new materials with advanced functionality.

Computationally designed and thermoformed for precision, ArmorONE cores are driving the next generation of performance panels.



Supporting Sustainability

- 🌱 Cores made from recycled materials
- 🌱 Lighter trailers deliver more with less fuel and fewer emissions
- 🌱 Promotes electrification by offsetting battery weight

Made in the U.S.A.

Supporting American manufacturing

ArmorONE panels are manufactured in the U.S. with domestically-sourced materials, reducing risk and reliance on international supply chains.



Reshaping what advanced materials can do for trailers.

We are committed to raising the standards of performance and value for the next generation of trailers.

Delivering up to 2,000 lb of trailer weight savings, our composite panels offer the best value for money on the road today. Tough-skinned, rugged, and built to last, ArmorONE panels are the new standard for strength and lightweighting.

Let's build a better trailer.

Discover more at armorytechnologies.com
or contact us at **1-866-778-6415**.



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