



# DURAPLATE®

Advanced composite panels  
for diverse applications.



## Advanced Composite Technology for Next-Level Product Performance

### Unmatched Durability, Increased Strength And Improved Appearance

DuraPlate®, an innovative composite material, can help you maximize the performance of your product so that it can better meet the expectations of your customers and demands of end users.

### Road-tested Results for a Variety of Applications

In 1996, DuraPlate revolutionized trailer sidewalls with unmatched performance. With durability and damage resistance that are second-to-none, Wabash National's DuraPlate products extend beyond dry freight trailers and truck bodies, swing and overhead doors, and portable storage containers--finding applications within a growing body of industries and manufacturers.

Engineered for supreme performance and to last longer, DuraPlate delivers more return on investment over traditional materials. Wabash National can attest: with over 500,000 of our DuraPlate trailers in service in North America today.

### The DuraPlate Difference

Instead of using steel, aluminum, wood or fiberglass materials for your application, consider DuraPlate and the value-add benefits for your business.

DuraPlate is made in the USA in one of Wabash National's ISO-9001 manufacturing facilities and is constructed from a high-density polyethylene core, thermally bonded between two high-strength steel skins.

The combination of consistent quality and the proven performance of DuraPlate add up to a long-lasting, durable composite solution for enhanced operational efficiency and the best possible return on your investment.



DuraPlate outperforms panels made from traditional materials across a variety of applications.

- 2x's higher strength over aluminum skins
- 5-year warranty

## Standard Panel Specifications\*

Steel	Galvanized 80,000-psi yield Polyester baked-on finish
Core	High-density polyethylene
Panel Thickness	2.5 mm (.098 in) 4 mm (.157 in) 6 mm (.236 in) 7.5 mm (.295 in) 10 mm (.394 in) 13 mm (.511 in)
Widths	48 in 49 in
Lengths	4 ft - 16 ft

## Applications

DuraPlate is a lightweight, strong, rigid, weather-resistant material that is suitable for a variety of industries, including:

- Transportation
- Industrial
- Commercial
- Building and storage
- Military
- Other industries

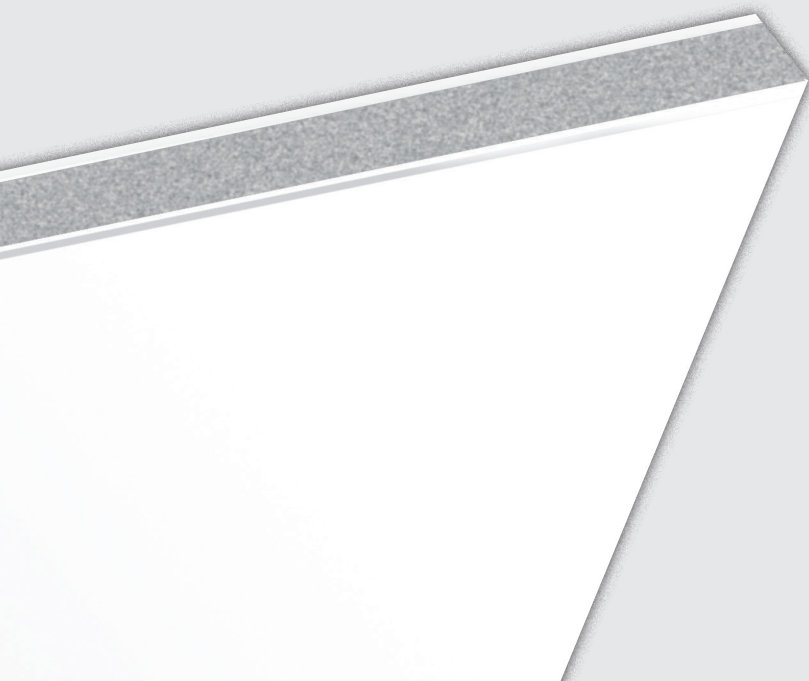
## Color Palette

Panels come standard in a white automotive-quality finish. Custom colors are available with minimum quantity requirements.

## Attachment Methods

Panels can be connected to each other and to framework in a variety of ways. One example is our patented shiplap connection that can be joined using fasteners or adhesives. Let us help you determine the best method for your application.

\*Custom specifications available upon request, with minimum quantity requirements.



# Wabash National and DuraPlate

DuraPlate is manufactured exclusively by Wabash National Corporation, a \$2B diversified industrial manufacturer and North America's leading producer of semi-trailers and liquid transportation systems. Headquartered in Lafayette, IN. Wabash National is listed on the New York Stock Exchange (WNC). Founded in 1985, Wabash National has pioneered industry-leading products, including the DuraPlate and DuraPlate HD branded trailer products.

Used in multiple industries, including transportation, storage and industrial equipment, DuraPlate continues to prove itself as the panel of choice for companies looking to improve the performance and durability of their products.



## The Leadership Advantage

DuraPlate is a proven product made by a recognized leader in composite panel technology. Wabash National produces over 50 million square feet of DuraPlate a year. We carefully monitor the DuraPlate manufacturing process to assure its quality and performance. You can trust DuraPlate to deliver, time and time again.

Wabash National is focused entirely on helping find solutions for you. Our composites experts are ready to discuss how you can improve operations by integrating DuraPlate panels into your product.



Wabash National's  
DuraPlate composite  
trailer is the leader  
in North America's  
trucking industry.



## Rigid and Strong

The technology behind DuraPlate includes key integral components that all come together in a highly specialized process to form a panel with combined properties that are significantly stronger and more rigid than other types of materials. DuraPlate's galvanized-steel skins, polyethylene core, and bonding agents are highly controlled in a state-of-the-art facility, resulting in a panel that is extraordinarily tough, offering superior strength and high wall stiffness.

DuraPlate's composite characteristics also bring a layer of flexibility to the steel's strength. The polyethylene core gives the panels an ability to flex. As a result, DuraPlate panels have surprising resiliency. They can absorb a direct impact and retain their shape. Over time, even in harsh conditions, DuraPlate panels will retain their form and appearance.

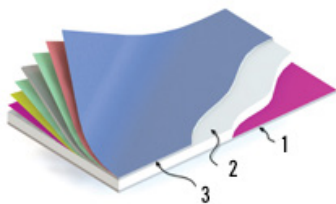
## Durability

Your product will last longer and look great with the durability of DuraPlate panels. The steel skin and composite core combine to provide superior protection.

DuraPlate panels are highly resistant to punctures, dents and corrosion. DuraPlate will not tear or rip, nor will it gouge or splinter like plywood or fiberglass-reinforced panels.

The plastic core does not absorb moisture, making the panel resistant to rot and delamination that is commonly associated with the use of wood-based products. And unlike aluminum, DuraPlate's steel skins do not dimple, wrinkle or pit with exposure to the weather.

## DuraPlate Panel



1. Steel Inner Skin
2. Foamed-Plastic Core Material
3. Steel Outer Skin

-  Polyester Baked-on Paint
-  Rust Inhibiting Baked-on Primer
-  Zinc Coating: G-90 Hot-Dip
-  80,000-psi Yield Full-Hard Steel
-  Special Proprietary Primer Coating
-  Adhesive Film
-  Foamed-Plastic Core Material



## Value And Efficiency

In the real world, where bottom-line costs are critical and are often deciding factors in purchasing decisions, DuraPlate delivers exceptional value by providing superior damage resistance and reducing maintenance costs – lowering the total cost of ownership for your product.

DuraPlate panels are produced in our world-class manufacturing facility, which is located in the central United States and accessible to all major markets. Domestic production helps ensure fast delivery time, while eliminating delays and transportation costs associated with transoceanic shipping.

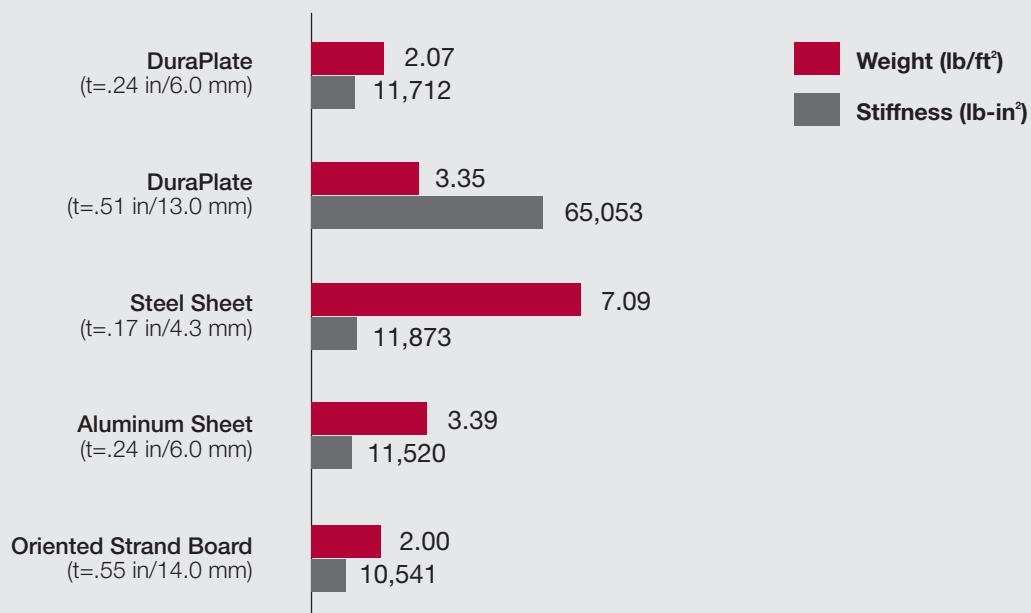
And our commitment to quality, delivery and technical support also means we'll be close by to back up our product.

## Environmentally Responsible, 100% Recyclable

Wabash National's ongoing innovation efforts include using sustainable materials that both outperform and outlast the alternatives, while choosing components and composition that ensure maximum environmental responsibility.

Each DuraPlate panel and product contains between 15-30% post-consumer resin (PCR). PCR is recycled thermoplastic resin produced from consumer items—such as water bottles, milk jugs or detergent containers—that have been disposed of, collected for recycling and transformed into a usable product. By using PCR in the manufacture of DuraPlate, Wabash National has diverted more than 1 billion plastic bottles from landfills. What's more, at the end of the product lifespan, DuraPlate is 100% recyclable.

## Material Comparison: Stiffness and Weight





Innovation is an unwavering objective at Wabash National. DuraPlate is our finest example, ever-evolving to meet commercial trucking demands since first introduced in 1996. Today, the possibilities of DuraPlate composite panels span across many industries and applications.

**Look no further than Wabash National for the DuraPlate solution just right for you.**

Learn more at [wabashcomposites.com](http://wabashcomposites.com) or contact a DuraPlate expert at **866-877-5062**.

Base specifications are accurate at the time of publication and are subject to change without notice. Contact your Wabash National representative for additional information.

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