RISK MANAGEMENT — STOPPING DISTANCE

Vehicle weight reduction and vehicle weight management are essential to any risk management program. In accident investigations, over-grossed vehicles are often cited as a contributing cause in accidents involving a collision. Extended braking distances or brake failure are also a common threat to operational safety. Below is a comparison of relative stopping distances for a 1/2 ton truck equipped with a BrandFX EverLast body; a 3/4 ton truck with an EverLast body; and a 3/4 ton truck equipped with a steel body.

1/2 Ton w/BrandFX Composite Body

Rody

Stopping Distance 165 ft.*

3/4 Ton w/BrandFX Composite Body3/4 Ton w/Standard Steel Body

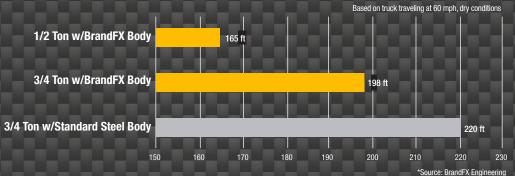
Weight 5,917 lbs

Weight 4,932 lbs.

Stopping Distance 198 ft.*

Weight 6,573 lbs.

Stopping Distance 220 ft.*



BENEFITS OF LIGHTWEIGHTING



LIGHTWEIGHTING WITH COMPOSITE TRUCK BODIES

ADVANCED COMPOSITE DESIGNS
TRUSTED BY 5 OUT OF THE TOP 6 U.S. SERVICE FLEETS







COMPOSITE TRUCK BODIES & LIGHTWEIGHTING

Lightweighting has become a significant trend in the work truck market, encompassing such important considerations as fuel cost, vehicle sizing, life cycle, and overall life cycle cost. The use of proprietary composite construction, such as that found in BrandFX's EverLast™ service truck bodies, has become a key factor in the overall lightweighting effort.

BrandFX, the leader in composite body construction for over 30 years, supplies lightweight EverLast truck bodies to 5 out of the top 6 service fleets in the U.S. By adding lightweight BrandFX composite bodies to their fleets, these industry-leading companies have come to recognize significant cost savings, in addition to superior durability and long service life.

Importantly, you don't have to give up strength and durability to realize those benefits. The strength of BrandFX EverLast composite bodies compares favorably with that of heavier steel bodies, and far exceeds that of aluminum. You can count on technologically advanced EverLast composite bodies from BrandFX to deliver the flexibility and durability to withstand the demands of even the toughest off-road use.

BENEFIT DETAILS

Financial

- Smallest possible chassis size
- Reduced fuel consumption
- Lower maintenance costs
- Offsets added weight burdens of hybrid, electric, and CNG conversions
- Extended life cycle

Risk Management

- More available payload, reducing the possibility of over-grossed unit
- Improved braking distance for same work payload
- Rounded corner design eliminates sharp-corner safety hazards

DOT Compliance

- Under 10,000 lbs.
 GVWR no operational restrictions
- Under 26,001 lbs. (Gross combination weight) – no CDL required
- Under 33,000 lbs. no federal excise tax

Company Image

- No rust or denting, eliminates the need for repainting
- Rounded edges on bodies – improves aerodynamics, contributes to sleeker appearance

Environmental

- Longer body life

 +
 possibility of lower
 GVWR vehicle
 +
 reduced fuel
 consumption
 =
- reduced carbon and greenhouse gas footprint





WEIGHT REDUCTION

While approximately half the weight of conventional steel bodies, BrandFX Everlast bodies provide a level of durability and long life unmatched by steel or aluminum bodies.

Body Style	Dimensions	Weight	
BrandFX composite body with all-composite Ultimate FX™ understructure*	Standard 56" CA Pack height 42" Pack depth 15"	496 lbs	
Aluminum body and understructure	Standard 56" CA Pack height 40" Pack depth 14"	563 lbs	
Steel body and understructure Company A	Standard 56" CA Pack height 40" Pack depth 14.5"	1256 lbs	
Steel body and understructure Company B	Standard 56" CA Pack height 40" Pack Depth 15"	976 lbs	

^{*}patented

ABILITY TO DOWNSIZE

Based on the reduced weight of BrandFX Everlast composite service truck bodies, it is sometimes possible to downsize to a lower truck class. Below is an indication of the fuel savings that can be anticipated by downsizing to a lower class.

Truck Class	GVWR Range	Average MPG	Impact on Fuel Economy
3	10,001-14,000	10.5	24% reduction (from Class 4)
4	14,001-16,000	8.5	8% reduction (from Class 5)
5	16,001-19,500	7.9	13% reduction (from Class 6)
6	19,501-26,000	7.0	9% reduction (from Class 7)
7	26,001-33,000	6.4	

*Source: Environmental Defense Fund/White Paper

BRANDFX COMPOSITES VS ALUMINUM

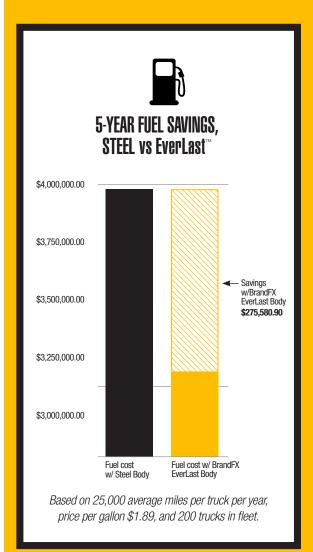
While weighing significantly less, BrandFX's proprietary composite material delivers a level of strength comparable to steel. By comparison, aluminum bodies must sacrifice strength in order to reduce weight. So, in order to provide strength approaching that of BrandFX composite material or steel, the thickness of the aluminum would have to be drastically increased, virtually eliminating any weight savings.

Another drawback to metal bodies is the resiliency, or lack thereof. Aluminum and steel are susceptible to denting and deformation, while BrandFX's composite material will tend to bounce back and recover its form under similar strain.

Finally, since aluminum is effective in transferring heat, aluminum truck service bodies can be problematic in warmer temperatures. Heat-sensitive materials transported in an aluminum body can be degraded, and passengers in the truck cab can be made uncomfortable by the heat radiating from the aluminum.

FUEL ECONOMY

Premium BrandFX EverLast[™] composite service truck bodies are proven to be lightweight, durable, and easy to maintain. In addition, these bodies have also saved service fleets millions of dollars in fuel costs as a result of their reduced weight. Below is an example of the fuel savings that a typical 200-unit fleet can realize by switching to lightweight Everlast bodies.



For more information on how
BrandFX EverLast™ truck service bodies
can benefit your fleet call: 866-431-1131