

Semi-trailer lightweighting

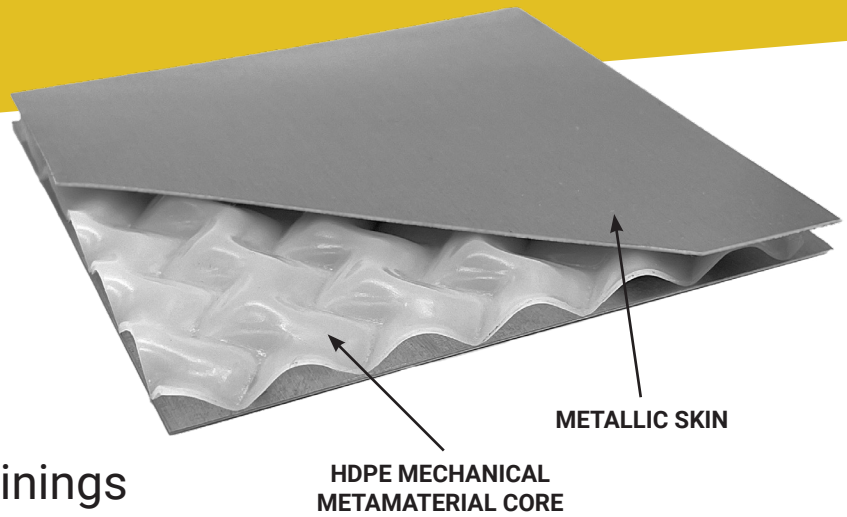
Improve freight efficiency with mechanical metamaterial technology

MetaCORE-LD

1-pager

MetaCORE-LD™

- Lightweight core for panels
- Improved strength
- High thermal insulation
- High impact absorption
- Easily integrated with your linings



**Shed 15% of your semi-trailer's weight with our panels.
Put more money in your owner/operator's pocket.**

		MetaCORE-LD		
	Current solutions	1000	2000	3000
Panel thickness (in)	0.4	0.4	0.4	0.4
Skin thickness (in)	0.016	0.016	0.016	0.016
Relative stiffness	100%	34%	65%	96%
Density (lb/ft ²)	2.8	0.83	1.1	1.4
Weight savings per panel (%)	0%	71%	61%	51%
	20+ year-old tech	Maximum weight loss	Balanced approach	Strength of steel, weight of aluminum

