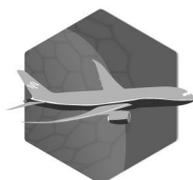


Nano-Engineered Composites

Automotive Case Studies

Zyvex Technologies
October 2013



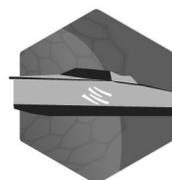
Aerospace



Automotive



Industrial



Marine



Sports

Automotive Case Studies



Repairs Using Epovex® Adhesive

The automotive market is driven by an expectation of higher performance. Zyvex Technologies is committed to delivering leading products and services based on our exclusive molecular chemistry expertise. Our line of nano-enhanced products has demonstrated its place on the racetrack where the highest level of performance is non-negotiable.

Racing vehicles such as the Audi Racing and Genoa Racing ALMS cars use Zyvex Technologies' Epovex® Adhesive, the world's only carbon nanotube enhanced adhesive, to achieve this performance.

Our Solution

With the use of our advanced Kentera™ technology, Zyvex has been able to create a safe and superior bonding strength and hold-far stronger than welding or bolting. Kentera™ technology creates a bridge between carbon nanotubes and the epoxy adhesive, allowing for more efficient absorption of mechanical strain, resulting in an adhesive that is stronger, tougher and more durable than other glues.

By using Epovex® Adhesives, customers experience fewer secondary bond failures while saving money. With T-peel strength 30% stronger than industry standards and shear strength 20% stronger than industry standards, Epovex® Adhesive is delivering the strongest bond possible at the most economical price/performance ratio.

The Result

Audi Racing and Genoa Racing ALMS cars are already using this advanced adhesive. When a vehicle crashes, the team uses Epovex® to 'glue' their car parts back together quickly and on-site.

Genoa Racing, one of the most successful teams in Indy Lights and Atlantic history, was able to rapidly repair their ALMS car overnight because of Epovex® Adhesive's superior strength. In the morning, the car was ready to go, finishing the 2011 Baltimore Grand Prix session at the top of the LMPC class.

Arovex® Prepreg in the Automotive Industry

Zyvex Technologies recognizes the importance of greater fuel efficiency and believes that the most significant impact on automotive technology will come from better materials, not better engines. The world's leading automotive corporations have already embraced carbon fiber and the promise of lighter vehicles. Zyvex has automotive formulations of its proven Arovex® and Epovex® material available and encourages any interested industry partner to contact us for further information.



Contact Zyvex

For United States quotes, orders and product information call toll free 877.Go.Zyvex (877.469.9839).

For international quotes, orders and product information call +1.614.481.2208.

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