



## Sika Automotive Ultra High Modulus Adhesive

This high-viscous semi-structural one-component adhesive with high elongation and ultra-high modulus is used for bonding mixed materials – in this case, the aluminum chassis and carbon fibre reinforced plastic (CFRP) passenger compartment of the BMW i3. The adhesive enables the use of CFRP for the passenger compartment (instead of metal) by giving BMW a method to attach the compartment to the drive chassis, and thus creating a lighter weight vehicle

Category:  
**Enabling  
Technology**

Application:  
**2014 - Present BMW i3**

Weight Savings:  
Not disclosed, adhesive  
is an enabler for adhering  
CFRP to metal

Methodology:  
**Mixed Materials**

Presented in partnership with:



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