



## Winner : Enabling Technology



# Sika Constrained Layer Material System for Structure Borne Noise Damping

FAIST ChemTec developed an ultra lightweight constrained layer material system for structure borne noise damping. Typically, the area weights of 5 kg/sqm can be reduced to 1,1 kg/sqm with higher acoustic performance. With the average amount of material in a midsize sedan at about 2 sqm, the average weight saving potential per vehicle is greater than 7 kg.

Category:  
**Enabling  
Technology**

Application:  
**2018 BMW i3**

Weight Savings:  
**80%**  
Weight reduction

Methodology:  
**Material Replacement**

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