



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

Presented in partnership with:



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