



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:



Supported by:

