

**SOLUTION**
L&L CBS™**VERSION**
April 2021

CBS for Closures

Weight saving and increased stiffness.



Composite Body Solutions (CBS™) for closures helps to improve the performance, stiffness, fatigue, NVH, and lightweighting. The structural adhesive distributes the loads better than traditional welding. The CBS™ part is able to bond to all four walls of the cavity, to take advantage of the entire section.

Complex assembly and door sealing concepts can be simplified when CBS™ is considered in early development stage. CBS™ also shows improvement of the fatigue behavior for closures. Typical application areas include door frame stiffness, mirror reinforcement, lift gate reinforcement, and hoods. Also the local stiffness for door latches and closure hinges can be enhanced.

KEY PRODUCT ATTRIBUTES

- Improved NVH performance
- Increased local stiffness
- Durability
- Sealing for noise / Air leakage
- Improved safety performance
- Intrusion
- Energy absorption
- Load path management
- Lightweighting