



COMPOSITE BODY SOLUTIONS™ (CBS™)

**LIGHTWEIGHT STRUCTURAL
REINFORCEMENTS FOR NVH
IMPROVEMENT & DURABILITY.**

First introduced almost 30 years ago, CBS™ reinforcements combine a heat-activated structural adhesive (structural foam) with a metal, thermoplastic, or thermoset carrier to increase durability and stiffness for noise, vibration, and harshness (NVH) applications.

cbs.lproducts.com



COMPOSITE BODY SOLUTIONS™ (CBS™)

OPTIMIZED STIFFNESS FOR DURABILITY AND NVH IMPROVEMENT.

Improved noise, vibration, and harshness (NVH) performance is achieved when CBS™ structural reinforcement technology is integrated into the body structure. CBS™ reinforcements can also eliminate localized durability problems, such as metal fatigue, by increasing overall stiffness and distributing loads more effectively across the structure.



CBS™ increases frame rigidity for improved acoustic performance.



The heat-activated structural foam cures in the E-coat oven.

KEY PRODUCT ATTRIBUTES



STIFFNESS

Creates a macro-structure providing increased stiffness



FATIGUE

The surface connection improves the fatigue behavior (reduction of stresses on the attachment)



FUNCTIONALITY

Allows functional integration (acoustic, local reinforcement, durability)

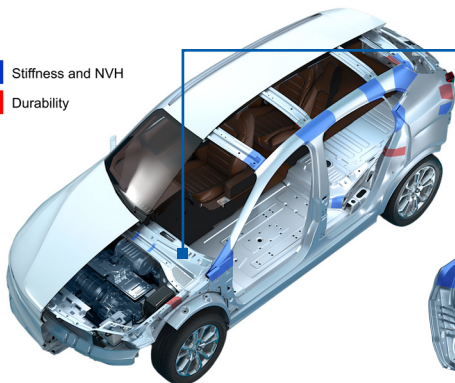


LIGHTWEIGHT

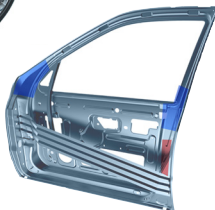
Enables light-weighting without compromising the performance (deletion of less effective reinforcements and overall thickness-reduction)

BODY-IN-WHITE (BIW) STIFFNESS APPLICATIONS

- Stiffness and NVH
- Durability



L&L CBS™ parts increase stiffness for NVH performance.



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