

**SOLUTION**

L&amp;L Reinforce

**VERSION**

April 2021

# Structural Reinforcements for Composite Technologies

## Increasing durability and stiffness of composite structures.

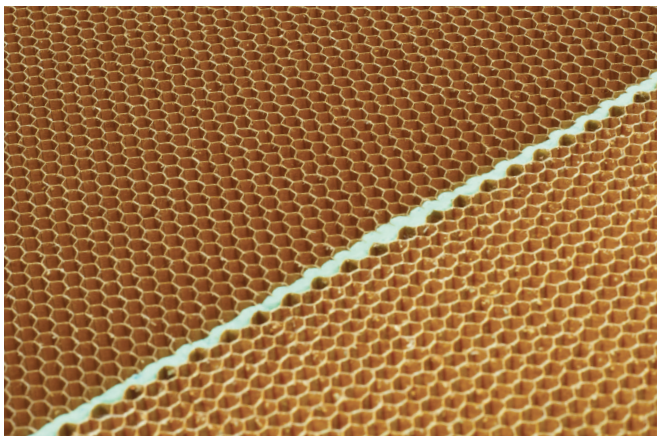


In an effort to continuously find new ways of lightweighting, L&L Products engineers a variety of epoxy-based reinforcement solutions that increase durability and stiffness of composite technologies, while at the same time, reducing weight

**COMPOSITE BODY SOLUTIONS™ (CBS™)**

Structural adhesive foams typically combined with a polyamide carrier to strengthen specific areas of a structure.

- Standard solutions, fully integrated in body in white (BIW) design
- Optimal balance of structural performance versus design weight
- Compatible with traditional E-coat body process

**FST FOAMING ADHESIVES**

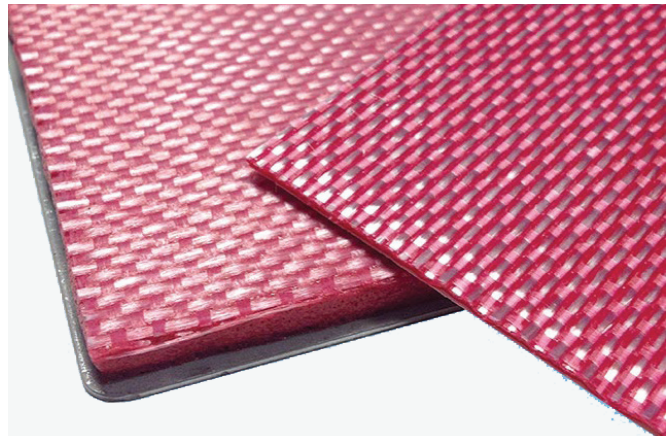
Expanding adhesive readily used to fill mismatched areas, splice or reinforce honeycomb panels. The core splice adhesives are also used to close out the edges of composite panels for aesthetic purposes.

- Cures smooth – reduced post process machining
- Thermo-foaming materials
- Multiple final densities available

#### COMPOSITE PANEL STIFFENER

High expandable structural adhesive contained within a fiberglass reinforcement designed to address stiffness, NVH and weight.

- High performance stiffening
- Superior green state adhesion to a wide range of substrates
- Enables thinner gauge panels to be used



#### HONEYCOMB PANEL REINFORCEMENTS

Adhesives developed to allow honeycomb cores to be readily reinforced in strategic areas without adding unnecessary weight.

- High mechanical properties
- Cures evenly – reduced post process machining
- FST regulation compliant: FAR 25.853, ABD0031

