



SOLUTIONL&L Reinforce

VERSION
March 2021

Continuous Composite Systems[™]

Structural Reinforcement Technology.



Continuous Composite Systems[™] (CCS[™]) are continuous fiber-reinforced composite materials that can be used as a carrier when combined with our highly engineered sealants and/or structural adhesives.

They are constant cross-section pultruded profiles, designed to provide strength, stiffness, and rigidity to a lightweight structure.

CCS[™] enables a cost-effective reinforcement solution that brings extensive engineering knowledge and advanced CAE modeling offering improved strength-to-weight ratio compared to metals.

When integrating Composite Body Solutions[™] (CBS[™]) with CCS[™], a 3D multicomponent assembly can be developed which can also allow for steel stamping incorporation.

KEY PRODUCT ATTRIBUTES:

- Reduced weight 75% lighter than steel;
 30% lighter than aluminum
- · Consistent quality due to continuous process method
- · Cost competitive with alternative lightweight solutions
- Eliminates need for anti-corrosion coatings
- · Nonconductive and insulating
- · Low co-efficient of thermal expansion
- · Excellent structural properties
- · High predictability in energy management
- CAE capabilities help deliver optimal profile designs
- Can be paired with L&L adhesive chemistry for multifunctional applications

TYPICAL APPLICATIONS:

- Bumpers
- · Door Beams
- · Windshield Reinforcements
- Cross Members
- Roof Rails
- Rockers
- Applications where aluminum extrusions are currently used or considered

Ilproducts.com

The information contained herein is, to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty, or guarantee is made regarding its accuracy, reliability, or completeness by L&L Products, Inc. or any of its affiliates. It is the responsibility of the user to assure the suitability and completeness of such information and any depicted product for the particular use of the user. L&L Products, Inc. and its affiliates accept no liability for any loss or damage that may occur from the use of this information or any depicted product. L&L Products, inc. And its affiliates specifically and expressly disclaim any and all warranties, express or implied, including warranties of merchantability, fitness for a particular purpose, and freedom from claims of infringement of the rights of others associated with the sale or use of any product depicted. L&L Products, Inc. and its affiliates further disclaim any liability for consequential or incidental damages of any kind, including lost profits.