

**L&L BOND ROLL COATING & PASTE
STRUCTURAL ADHESIVES**

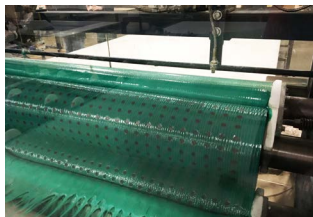
**Proven Solutions for
Automated Adhesive
Application.**

L&L Bond roll coating and paste heat-activated structural adhesives are designed for efficiency and reliability in high-speed manufacturing environments. The adhesives are applied in a precise, continuous process and are engineered for excellent fracture toughness and wedge impact strength.

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Heat-Activated Paste and Pumpable Adhesives.

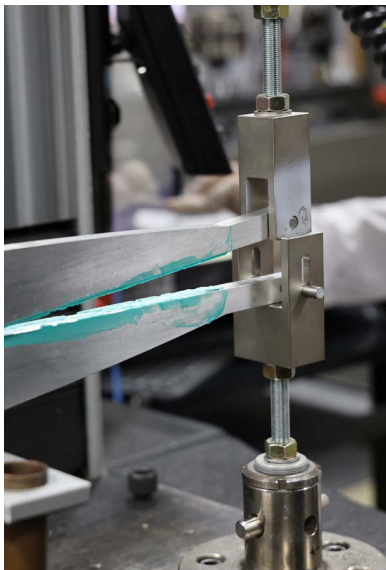
L&L Bond roll-coating and paste adhesives deliver uniform thickness, high efficiency, minimal waste, and versatility to manufacturing operations in a wide variety of industries. These heat-activated materials are tuned for viscosity, shear strength, tackiness, cure time, and application temperatures.



L&L Bond L-0011 in a roll-coating application.

VALUE PROPOSITION

- Uniform and consistent automated adhesive application in roll-coating applications and automated processes
- High peel strength, excellent fracture toughness, and excellent impact resistance available
- High Tg (<120°C) with excellent low-temperature performance



Double cantilever beam (DCB) test to measure fracture strength with L&L Bond L-0011.

Roll-Coating Applications

L&L Bond L-5280 is a one-component, epoxy-based thermoset hot-melt adhesive for roll coating or automated application. L-5280 was developed to have a good balance between peel strength and glass transition temperature. At room temperature, the material is dry-to-the-tough for easy handling.

High-Strength & High Toughness

L&L Bond L-0011 is a one-component epoxy-based, heat-activated structural adhesive pumpable paste. This material is intended for applications requiring high strength, high toughness, and stable physical properties over a broad application temperature range. Once applied, the material has minimal tack and typically no material transfer for handling.

Multi-Material & High-Strength Steel Bonding

L&L Bond XP-0012* is a one-component heat-activated, crash-toughened structural adhesive that was developed to bond various substrates, including metals, composites, and where residual lubricant may be present. The unique formulation has been developed to exhibit superior fracture toughness and environmental exposure (i.e., humidity and salt spray) resistance.

*Developmental technology.



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