



Performance-Driven Structural Adhesives

From one-component, heat-cured adhesives to two-component, room-temperature-curing structural adhesives, Henkel develops advanced technologies and provides superior service to the automotive and transportation industries.



Sustainability – The Foundation of Henkel

Henkel is founded on a deep commitment to deliver services and chemical products that consistently exceed customer expectations.

The guiding principles of Henkel inspire long-term customer relationships based on reliability, credibility and mutual trust. This trust is earned by the continued practice of putting the customer first and working to discover new, more effective solutions every day.

With more than 50,000 employees, including 3,000 chemists and engineers, Henkel continues to expand its diversified range of products and services. Facilities in over 80 countries help ensure Henkel remains a global market leader.

Automotive

- Utilized in body shops and stamping plants for metal-to-metal bonding
- Advanced hem flange adhesives
- Chemistries include heat-cured, one- and two-component epoxies, hybrids and rubber-based technologies
- Designed to improve body stiffness, enhance crash performance and reduce or eliminate spot welding

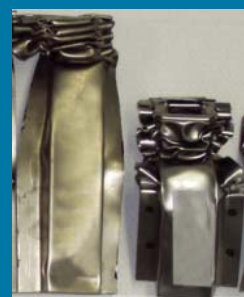
Transportation

- Utilized in heavy and medium truck, emergency vehicle, bus and coach industries
- Chemistries include two-component, room-temperature and heat-curing products, such as methacrylates (MMAs), epoxies, urethanes and hybrid formulas
- Designed to bond a variety of similar and dissimilar substrates, including:
 - Composites such as FRP and SMC
 - Engineered plastics
 - Low surface energy plastics
 - Various metals including galvanized and galvanneal

Henkel's advanced technologies enhance vehicle structural integrity.



Crash Test



Bonded* Spot Welds*

*Drop Tower Testing On Box Beams.



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Structural Adhesive Solutions from Henkel





Henkel Covers the Car

Henkel's structural adhesives are used in a variety of industry applications including bus and coach, heavy truck and automotive body-in-white. These engineered adhesives are used to join components in autobody construction, modular component assembly and trim bonding applications.

Delivering State-of-the-Art Adhesive Technologies

Henkel is the market leader in adhesives, sealants and surface treatments to the transportation industry. The company's product portfolio represents the most advanced structural adhesive technology for automotive and transportation applications. With a new adhesive and sealant technical center and field sales engineers across the globe, Henkel provides customized solutions to meet the most stringent customer requirements.

As a leading manufacturer of structural adhesives, Henkel collaborates with customers from the design process through final assembly. These partnerships start with design engineering support and finite element analysis (FEA) modeling capabilities, proceed through material testing and validation, and culminate with the delivery of quality technologies. Henkel is the most complete source, providing an unmatched adhesives product lineup, which includes epoxies, acrylics, urethanes and hybrids.

Quality Brands

The Hysol®, Loctite®, Terokal®, Terocore®, Terophon®, Teroson® and Orbseal® brands, along with others our customers have come to trust, are supported by Henkel's global leadership and unmatched expertise, bringing superior quality from one unified resource. Henkel's worldwide research and design initiatives help the company expand its portfolio to offer customers a diverse selection of brands, products and technologies.



Complementary Sealing and Bonding Solutions



Sealants

- Used on vehicle interior and exterior applications to seal seams, welds and gaps in sheet metals
- Chemistries include PVC plastisols, non-PVC plastisols and rubber-based sealants
- Products include mastic sealers and pressure sensitive tapes

Anti-Flutters

- Used between inner and outer panels to stiffen and reduce unwanted oscillations

Pumpable Acoustic Dampers

- Reduce vibration in sheet metal and contribute to the vehicle's improved noise, vibration and harshness performance

Automotive



- Hemming
- Panel Bonding
- Joint Reinforcement
- Panel Stiffening
- Structural Metal-to-Metal Bonding

Metals Bonded:
CRS, Galvanized, Galvanneal, Aluminum and Dissimilar Metals

Transportation



- Sleeper and Cab Interior
- Sleeper Roof Assembly
- Hood
- Fenders
- Grill
- Door Panels
- Wind Fairings

Substrates Bonded:
FRP, SMC, Engineered Plastics, Various Metals and Dissimilar Substrates