

Henkel to showcase specialty tapes and AI-driven innovation at Battery Show Europe 2026

Düsseldorf, Germany – At the upcoming Battery Show Europe, Henkel will showcase end-to-end solutions for the entire battery lifecycle, addressing performance, safety and sustainability in parallel. A key highlight is the introduction of **Battery Specialty Tapes**, which include water-based, low-VOC technologies designed to meet growing sustainability and performance requirements.

From specialty tapes to virtual adhesives: Driving safer, lighter and more circular EV systems

The specialty tapes support new approaches to battery design and assembly. They fulfil multiple functions in battery assemblies, including:

- bonding,
- insulation,
- shielding,
- protection and
- thermal management.

The tapes enable fast, clean and consistent application, helping manufacturers streamline production, reduce complexity and scale efficiently while supporting more **flexible and efficient battery designs**.

Also in focus will be Henkel's **AI-powered adhesive simulation platform**. Engineers can generate and simulate virtual adhesive formulations (existing or entirely new), thereby reducing reliance on physical prototyping and shortening development cycles.

Henkel Adhesive Technologies

HENKEL'S HIGHLIGHTS AT THE BATTERY SHOW EUROPE 2026

JUNE 9 - 11, 2026 | MESSE STUTTGART, GERMANY | HALL 1 - BOOTH J10

LOCTITE SOLVE
VIRTUAL BATTERY ADHESIVES

BATTERY SPECIALTY TAPES

BATTERY DEBONDING-ON-DEMAND

LIGHTWEIGHT BATTERY SOLUTIONS

FUNCTIONAL COATINGS

Driving the future of battery innovation

Image credit: Henkel

Enabling battery circularity with debonding-on-demand

At the show, Henkel will demonstrate **thermally triggered debonding solutions** that can be integrated into battery design to support circular economy models.

Henkel will further explore this topic during an expert session led by Elizaveta Kessler, titled “Technical requirements and design considerations for **debonding in Cell-to-Pack** EV battery systems”.

By combining materials expertise with digital capabilities and expanding into specialty tapes, Henkel aims to enable OEMs and battery manufacturers to **accelerate innovation and improve sustainability** in a rapidly evolving market.

Source: [Henkel](#)