PRESS RELEASE

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BATTERY SHOW 2025: ARKEMA INTRODUCES ITS LATEST PORTFOLIO OF ADVANCED MATERIALS DESIGNED FOR THE NEXT GENERATION OF SEMI-SOLID BATTERIES

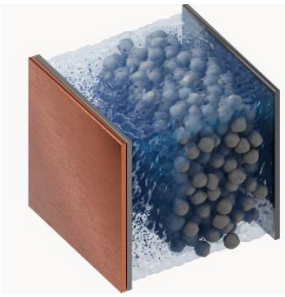
Arkema, a global leader in specialty materials, is set to showcase its unique portfolio of solutions and innovations for electric vehicle (EV) and energy storage system (ESS) battery systems at the upcoming Battery Show Europe 2025 in Stuttgart, Germany, June 3 - 5. For decades, the company has been supporting the battery industry through every stage of its evolution, by providing innovations for inside and outside the cell.

Discover the unique offering of high performance and sustainable materials for current and next generation battery cells and packs at Hall 8 Booth F10

On top of its existing wide range of solutions for the current generation of cells, module and packs Arkema will showcase its innovations related to safer, higher performance and more sustainable batteries:

INNOVATIVE MATERIALS FOR SEMI-SOLID BATTERIES

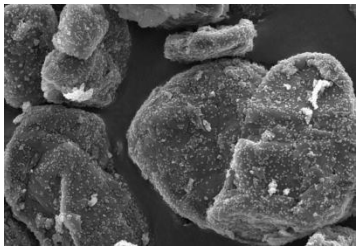
This new offer is specifically designed to support the development of gel electrolyte batteries. It offers the combined benefits of leading battery technologies: scalability of liquid electrolytes and enhanced performance and safety of solid-state technologies.



Semi-solid batteries schematic representation

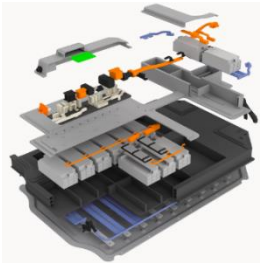
ELECTRODE BINDER SOLUTIONS FOR DRY COATING PROCESS

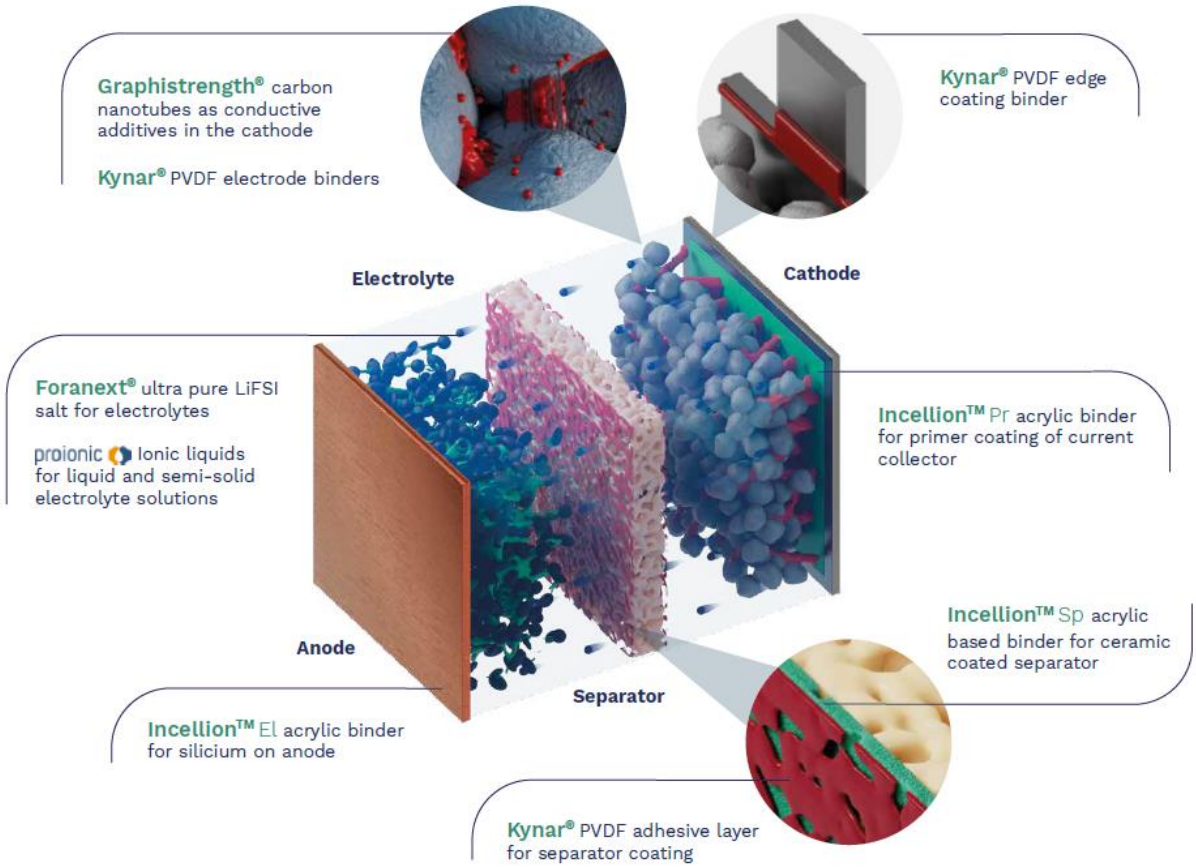
Arkema will highlight its Kynar® PVDF electrode binder, enabling battery manufacturers to adopt more efficient and sustainable dry electrode coating processes. The Group is investing in lab-scale dry coating facility in France, with dedicated R&D resources to develop new materials and to support next generation of manufacturing process



REVOLUTIONIZING DISASSEMBLY IN MOBILITY

This year, Bostik is unveiling Prep DB, a primer designed to tackle the challenges of vehicle repair and end-of-life recycling. Developed as part of an Open Innovation strategy, this thermal activation technology enables the bond to break, allowing components to be disassembled without damaging surrounding materials





Building on its unique set of expertise in materials science, Arkema offers a portfolio of first-class technologies to address ever-growing demand for new and more sustainable materials. With the ambition to become a pure player in Specialty Materials, the Group is structured into 3 complementary, resilient and highly innovative segments dedicated to Specialty Materials - Adhesive Solutions, Advanced Materials, and Coating Solutions - accounting for some 92% of Group sales in 2024, and a well-positioned and competitive Intermediates segment. Arkema offers cutting-edge technological solutions to meet the challenges of, among other things, new energies, access to water, recycling, urbanization and mobility, and fosters a permanent dialogue with all its stakeholders. The Group reported sales of around € 9.5 billion in 2024, and operates in some 55 countries with 21,150 employees worldwide.

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