

A SAINT-GOBAIN BRAND



CoreTech Performance Film Solutions

# EV BATTERY AND FILM SOLUTIONS

CoreTech

CoreTech is a Saint-Gobain brand with over 50 years of thin film manufacturing experience and state-of-the-art wide-web sputtering equipment, we are the expert in the roll-to-roll sputtering, precision wet coating, and laminating fields. We are committed to providing our customers with outstanding quality and exceptional value by developing innovative, high-performance solutions for your thin film needs.

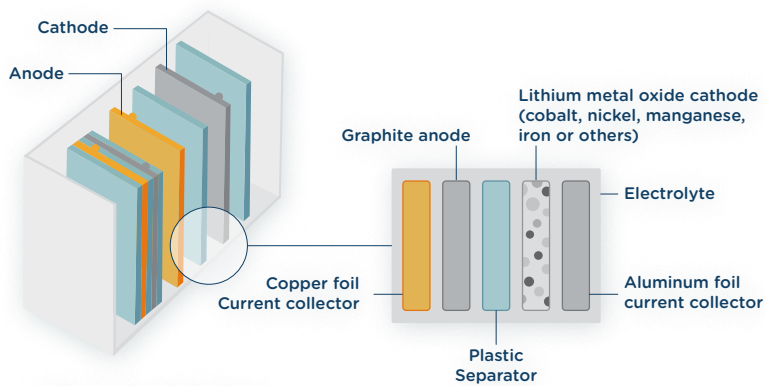
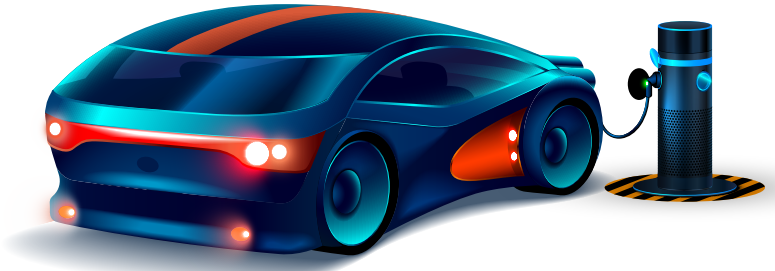
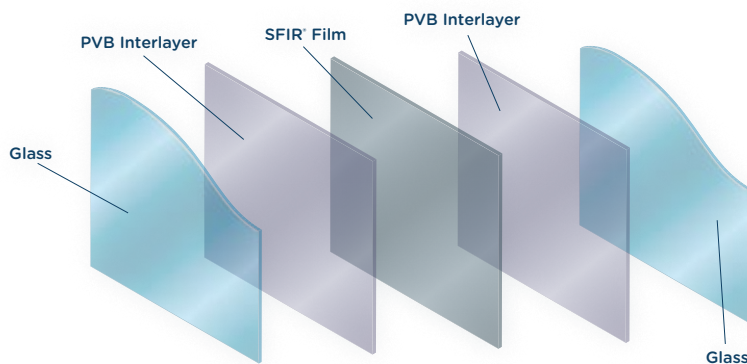


Image courtesy of [www.kcet.org](http://www.kcet.org).

### INDUSTRY-LEADING CAPABILITIES

With our technologies, we can create metallized polymer film based flexible electrodes instead of solid metal foil flexible electrodes. Metallized polymer electrodes can prevent/reduce thermal runaway within battery cells.

As copper is becoming scarce, the use of metallized polymer film-based electrodes optimizes the use of scarce metals.



### SFIR® FILMS

Solar films incorporated in the car glazing system reduce the need for air conditioning creating battery savings for EVs. SFIR films for solar control are sealed between two layers of PVB and two sheets of glass selectively reflecting the near (NIR) energy, and damaging UV rays, while maintaining high visible transparency for a natural look.

These products are manufactured with the latest reactive sputtering technology available, allowing for high IR rejection with high selectivity.



### METALLIZED FILMS FOR THERMAL MANAGEMENT

Our state of the art roll to roll sputtering technology offers a broad range of customized high temperature resistant metallized polymer films for use in multi layer insulators or as flexible low-e surfaces. Substrates like PI/Kapton and PEN can be metallized with Al for the lower end applications and Au for demanding high end application.

# THE CORETECH DIFFERENCE

Vigorous research and development. Unrivalled technical expertise. Unmatched quality. CoreTech is a Saint-Gobain brand and the leader in industrial-grade protective films.



## INNOVATION

Consistently named as a Top 100 Global Innovator by Clarivate Analytics, innovation is at the heart of Saint-Gobain. We apply that innovation into the development of CoreTech custom film solutions.



## PERFORMANCE

Performance is job one. Our solutions answer the call for any custom application. When only the best will do, CoreTech gets the job done.



## PEOPLE + TECHNOLOGY

Saint-Gobain has thousands of highly skilled, talented people with experience producing films, backed up by research & development centers around the world. CoreTech offers a multitude of differentiated technologies that set us apart in the industry.



## CO-DEVELOPMENT

We thrive on intense interaction between our customers and our in-house experts. It starts with a customer's idea — and we turn it into reality with performance parameters that meet their requirements.





Saint-Gobain Research  
and Development Centers



Saint-Gobain  
Performance Film Solutions Sites

## CoreTech

PERFORMANCE FILM SOLUTIONS

CoreTech Performance Film Solutions is a brand within Saint-Gobain – a company with more than 350 years of experience in innovative material design, development and manufacturing. CoreTech proudly offers over five decades of leadership in the thin films market, with products manufactured in ISO 9001:2015 certified QMS environments. Featuring state-of-the-art wide-web magnetron sputtering equipment, we are the experts in roll-to-roll sputtering, precision wet-coating and lamination, and converting. Learn more about how our technologies and capabilities can bring your next project to life.

[www.coretechfilms.com](http://www.coretechfilms.com)  
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### SAINT-GOBAIN PERFORMANCE FILM SOLUTIONS

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