



The automotive industry has drastically transformed over the last 100 years - from petrol and diesel vehicles to electric vehicles - and with that transformation comes new technologies, processes, safety requirements and more. As the demand for electric vehicles (EVs) gains momentum, so does the demand on the EV battery industry and supply chain. From raw materials to end-user manufacturers and recycling, the EV battery supply chain is a complex process that requires important safety measures to protect facilities, processes, products and people. To meet those needs, Sherwin-Williams offers a robust coatings portfolio to help protect critical EV battery assets for both steel and concrete. Unlike other manufacturers, we offer a team of EV battery experts - Construction Solutions - that can help streamline new EV battery build projects while saving you time and money. Our experts can help to create **SAFER, FASTER, SIMPLER** projects.

PROTECTIVE COATINGS FOR THE EV BATTERY SUPPLY CHAIN



Mining



Raw Material Processing



Cell Component Production



Battery Cell/Pack Production



EV Production



Recycling/Reuse

PREMIUM CONSTRUCTION COATINGS FOR STEEL

Steel Coatings

Protecting the structural steel of an EV battery facility is very important. Coatings that offer high durability and corrosion resistance help protect the integrity of the steel both during and after construction. Moreover, quick throughput and aesthetics should also be taken into consideration to help meet project timelines and create an attractive appearance.



Corrosion Resistance

Withstand corrosion exposure to help maintain the integrity of steel structures.



Aesthetics

Deliver an attractive smooth finish for architecturally exposed structural steel in various colour options.



Throughput Optimisation

Quick cure steel primers offer faster throughput to meet shipping timelines and project schedules.



Damage Resistance

Resists physical damage caused by the rigours of handling, transportation and high traffic throughout the construction process.

EV BATTERY

SAFER, FASTER, SIMPLER CONSTRUCTION

PREMIUM CONSTRUCTION COATINGS FOR STEEL

Fireproofing

Within the EV battery supply chain, the housing and handling of extremely flammable and explosive materials are continuous. Therefore, fireproofing EV battery facilities is of the utmost importance. Given the complexities of EV battery supply chain facilities, the application of off-site Intumescent fire-resistive materials offers simpler project scheduling as well as a safer and cleaner construction environment, compared to traditional on-site sprayed fire-resistant materials.



Chemical/Corrosion Resistance

Withstand the wear and tear of chemical and corrosion exposure to help maintain the integrity of steel structures.



Weather Resistance

Avoid moisture absorption due to exposure of the elements that can result in blistering, detachment and corrosion of the coating.



Damage Resistance

Resist physical damage caused by the rigours of handling, transportation and high traffic throughout the construction process.



Reduced Thickness Requirements

Meet the specified protection periods with lower DFT requirements. Reduce material usage, waste, consumption, time and ultimately the cost of your project.



Application and Aesthetics

Deliver an attractive smooth finish with less downtime and reduced overall application thickness.

PREMIUM CONSTRUCTION COATINGS FOR CONCRETE

Resin flooring

The importance of flooring is often overlooked and underestimated. However, flooring can play an integral role in the overall functionality of an EV battery's facility, its manufacturing process and the quality of its product. From raw material storage to wet processing, production, assembly and distribution, there are important variables that need to be taken into consideration when selecting floor coating products and systems.



Chemical Resistance

Protects concrete substrates from corrosive exposure and erosion while containing chemicals from potential ground and environmental contamination.



Moisture Mitigation

Blocks moisture vapor transmission from penetrating up through a concrete slab.



Static Control

Dissipates static build up that can cause harm to sensitive equipment, products and employees and mitigate potential explosions.



High Traffic

Withstands heavy wear and tear from both vehicle and foot traffic, helping protect the concrete from breaking down, cracking and trip hazards.



Slip Resistance

Provides appropriate texture to help reduce the risk of slip and trip incidents for both personnel and equipment.

THE SHERWIN-WILLIAMS DIFFERENCE

Sherwin-Williams Protective & Marine delivers world-class industry subject matter expertise, unparalleled technical and specification service, and unmatched regional commercial team support to our customers around the globe. Our broad portfolio of high-performance coatings and systems - including protective liquid and powder, fire protection and resinous flooring - excel at combating corrosion and help customers achieve smarter, time-tested asset protection. We serve a wide array of markets across our rapidly growing international distribution footprint, including Bridge & Highway, Energy, High Value Infrastructure, Manufacturing & Processing, Marine, Rail, Power and Water & Wastewater.

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