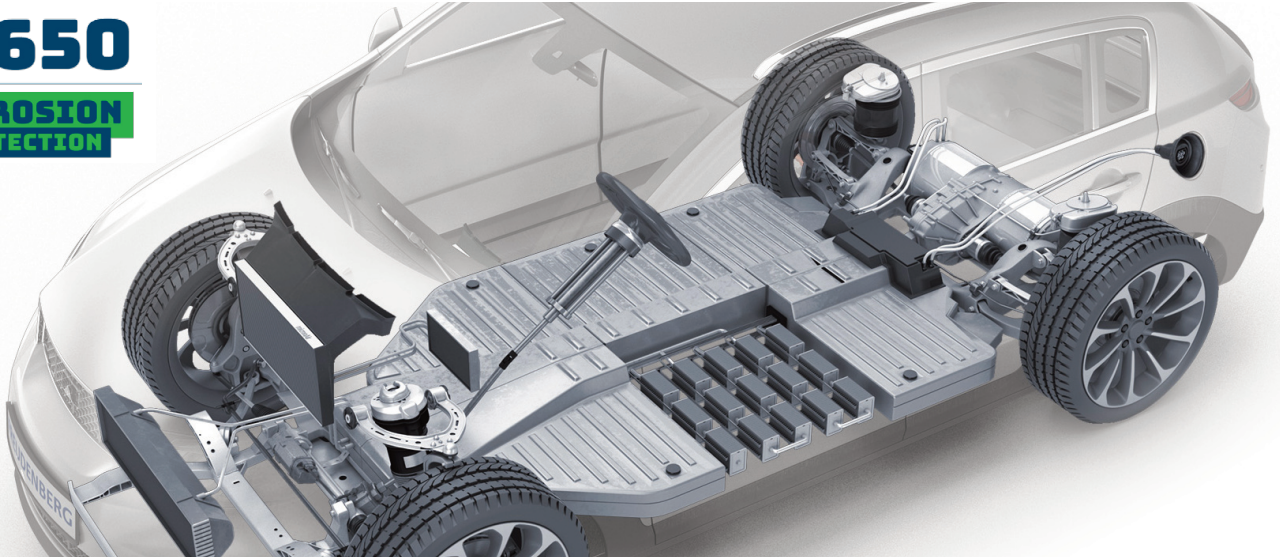


Protection upgraded

**Sur
Tec 650**
**CORROSION
PROTECTION**



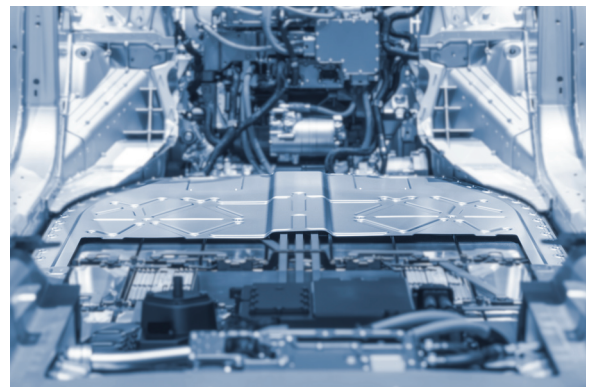
SurTec 650

Tailor-made Technology for E-Mobility Applications

Key Corrosion Protection Technologies for Battery Systems

SurTec, preferred partner to the Automotive industry from design stage, prototype conception to final high-volume manufacture. Choosing the right surface treatment technology enables state-of-the-art light weight battery housings with reliable and durable lifespans.

The power brand 'SurTec 650' is the trivalent chromium benchmark pre-treatment technology at leading OEMs and Tiers. Available from qualified applicators in all relevant markets.



Added Values

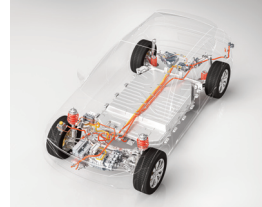
- Proven technology at leading OEMs and Tiers
- SurTec 650 Global Applicator Qualification Process
- Optimal prevention of seal creepage
- Ensures low electrical contact resistance
- Electromagnetic compatibility (EMC)



Protection upgraded

Corrosion Protection for Electrical Powertrains

SurTec 650 in combination with a gasket optimally prevents corrosive seal creepage of moisture into a battery compartment and ensures low electrical contact resistance throughout the lifetime. The technology also provides electro-magnetic compatibility (EMC) and is hence the perfect solution for surface treatment of e.g. battery pack housings and Electronic Control Unit (ECU) housings. Due to its best-in-class bare metal corrosion protection, additional e-coating applications of the battery housing could be considered redundant.



SurTec 650 Applicator Qualification

Together with leading OEMs from the Automotive as well as Electronics and Aerospace industries, SurTec has developed a process that allows applicators of SurTec 650 to qualify for a specific requirement. The resulting qualification gives the end customer or OEM an indication of the process suitability of a SurTec 650 coater for a defined requirement. A list of Qualified Applicators can be found on the SurTec website.

Perfectly Suited for Subsequent Joining Processes

Depending on the requirements of the final product, SurTec offers different processes and technologies to meet specific customer needs. The trivalent chromium technology SurTec 650 is perfectly suited for surfaces that need to have high quality and long lasting corrosion resistance properties including protection against corrosive seal creepage. Surfaces that require perfect preparation for subsequent bonding and welding processes will be treated with a chrome-free etch passivation system with SurTec 641 respectively SurTec 642.



Our global experts provide excellent services and support our customers in every step of the way.



More information on SurTec 650



List of Qualified Applicators