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PRESS RELEASE



Cortec® Presents Easy Anticorrosion and ESD Packaging Solutions for the Expanding Electric Vehicle Market

Electric vehicles (EVs) are on the rise. At the same time, standard automobiles are becoming more and more digitized, leading to a wealth of electronic components used throughout cars and trucks. The end result is that more and more electrical or electronic auto parts need to be shipped from place to place. In the process, these sensitive items are often subjected to severe environments or simply fluctuating temperatures,



humidity, or tiny static charges. The results can be corrosion and/or ESD (electrostatic discharge) damage. Since these problems may lead to immediate rejection or simply eventual failure, it becomes critical to

protect against both challenges to avoid subsequent loss. Cortec® Corporation supplies multiple packaging solutions to deal with these problems conveniently and effectively.

Start with EcoSonic® VpCI®-125 Static Dissipative Film & Bags



One of the core packaging solutions for protecting sensitive electronics is Cortec's line of EcoSonic® VpCI®-125 Static Dissipative Film & Bags. As their name suggests, these bags combine the best multi-metal corrosion protection with strong static dissipative properties. They contain Vapor phase Corrosion Inhibitors to protect void spaces and recessed areas within the package—no coating

removal or additional cleaning required. These VpCI® inhibitors do not affect optical properties or plastics used in the electronics industry. Nor do they affect the solderability of PCBs or other electronic parts. Protecting an EV battery or a PCB is therefore as simple and easy as slipping it into an EcoSonic® VpCI®-125 Bag and sealing it shut. In addition to its standard EcoSonic® VpCI®-125 Bags, Cortec® has recently released new EcoSonic® VpCI®-125 HP Permanent ESD Film & Bags for enhanced static protection and longer shelf life. Cortec® has also ventured into the field of commercially compostable technologies with options like Eco-Corr Film® ESD.

Add Extra Protection with VpCI® Inserts

In some cases, depending on the volume of the package or the severity of the shipping conditions, manufacturers of automotive electronics and EV parts may desire to add extra corrosion protection to the package. One excellent way to do this is with VpCI®-130 Series Foams. These foams come in a variety of sizes, from small 1 x 1 inch (2.5 x 2.5 cm) adhesive backed pieces that protect up to 0.25 cubic feet (7 L) of enclosed space, to 130 foot (39.6 m) rolls that protect 10 cubic feet per square foot of material (3 m³/m²). These foams are also unique in that



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they combine VpCI[®] protection, desiccant action, and antistatic properties into one flexible packaging material that also provides a degree of cushioning. The high concentration of VpCI[®] chemistry makes it possible to protect large surface areas and affords long-term protection for large export packages, crates, and seagoing containers.

Replace Desiccants with Cor-Pak[®] 1-MUL Pouches



Another excellent option for protecting smaller electronics, either in combination with EcoSonic[®] VpCI[®]-125 Film or with standard packaging material (when ESD protection is not required), is to use Cor-Pak[®] 1-MUL/8-MUL Pouches. These are small packets that can be inserted manually or automatically into an electronics package to provide dual desiccant action and active Vapor phase Corrosion Inhibition throughout the enclosed space. The pouches are non-dusting and there is no need to clean the microscopic protective layer off the electronic before use. The Cor-Pak[®] 1-MUL Pouch

protects up to 1 cubic foot (28 L) of volume, while the Cor-Pak[®] 8-MUL Pouch protects up to 8 cubic feet (0.23 m³).

There are many risks in the way of safely delivering auto electronics and EV components—from unnoticed moisture condensation to tiny static charges that sometimes come just from sliding an electronic out of a plastic bag. The good news is that there are multiple packaging solutions to protect against these common problems, simply by choosing the right bag or VpCI[®] insert to use for storage or shipment! Contact Cortec[®] to order your supply or to learn more about these and other electronics protection options:

To learn more about EcoSonic[®] VpCI[®]-125 Static Dissipative Film & Bags, please visit:

<https://www.cortecvci.com/Publications/PDS/EcoSonic-VpCI-125.pdf>

To learn more about VpCI[®]-130 Series, please visit:

https://www.cortecvci.com/Publications/PDS/VpCI-130_series.pdf

To learn more about Cor-Pak[®] 1-MUL/8-MUL Pouches, please visit:

https://www.cortecvci.com/Publications/PDS/Cor-Pak_1-MUL.pdf

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