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PRESS RELEASE



Recyclable Grease-Resistant VCI Paper: Choose the VpCI®-148 Advantage!

What happens when a manufacturer needs to ship a metal part and protect it from corrosion, but the shipping process does not allow removal of process oil? Surprisingly, the answer is not to automatically use VCI plastic but to consider a product like [VpCI®-148 Paper](#)—a recyclable, grease-resistant, corrosion inhibiting packaging material produced by Cortec® Corporation and available for distribution worldwide.



Protect Metals from Corrosion

The main benefit of VpCI®-148 Paper is the same as all VCI papers: corrosion protection or rust prevention on the metals packaged within. Like Cortec's other [VpCI® Papers](#), VpCI®-148 Paper is coated with Vapor phase Corrosion Inhibitors. These protect not only the metal surfaces in direct contact with the paper but

also those that are enclosed inside, but not directly touching, the paper. Vapors from the VpCI® coating diffuse throughout the interior of the package, forming an invisible protective molecular layer on the surfaces of the metal. When the metal component is removed from the packaging, the protective layer evaporates on its own—no manual removal needed.

Eliminate Plastic Packaging



VpCI®-148 Paper can effectively replace the use of plastic VCI film or even plastic-coated papers. This is important in a day and age when industries are looking for more renewable resource alternatives to products made from fossil-fuels. In addition to the base substrate of VpCI®-148 Paper being made with paper sourced from sustainable forestry, the barrier coating is fully recyclable/repulpable, unlike traditional PE- (polyethylene) or wax-coated papers

that cannot be recycled through normal channels.

Resist Grease in Wider Applications

VpCI®-148 Paper holds up better than standard VCI paper in the presence of grease and process oils, allowing it to be used for rust preventative packaging of both dry and oiled metals during storage, transit, and overseas shipment. This is an important solution when protecting metal parts such as bearings that require lubrication, or those where the manufacturing or shipping process do not permit the removal of process oils.



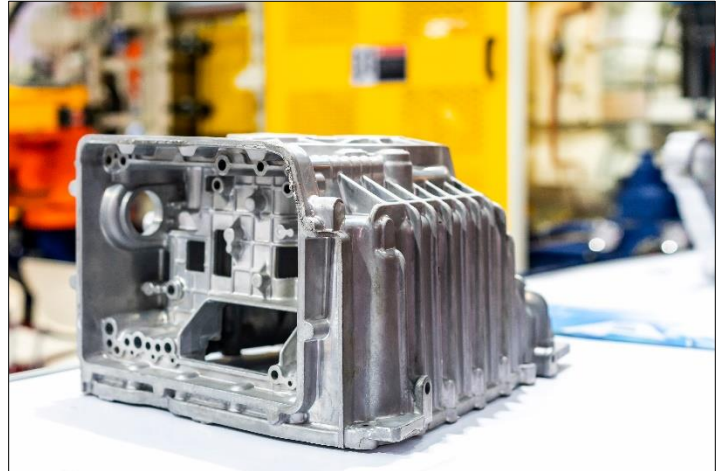
Such was the case for a manufacturer of SUV frames being shipped overseas to Germany. The previously used plastic VCI film (non-Cortec®) was breaking down due to aggressive process oils remaining on the frame, resulting in tarnish and corrosion that caused the frames to be rejected. Interestingly, VpCI®-148 Paper solved the unusual problem because it provided corrosion protection and sufficient barrier protection to

keep the packaging from breaking down in the presence of process oil. Also, Cortec's capability of making rolls almost 2.5 meters wide, larger than typical VCI paper, was well suited to wrapping and protecting the wide vehicle frames.

How and Where to Use Grease-Resistant VCI Paper

Thanks to the multiple features mentioned above, there are many potential applications for VpCI®-148. VpCI®-148 Paper protects both ferrous and non-ferrous metals and therefore can be used to protect a wide range of metal parts:

- Carbon Steel
- Stainless Steel
- Galvanized Steel
- Cast Iron
- Aluminum Alloys
- Copper
- Brass ($\leq 30\%$ Zn)
- Solder



VpCI®-148 should be applied by wrapping parts with the printed grease-resistant side facing out and the plain corrosion inhibiting side facing in as close to the metal surface as possible, folding the ends together and taping as necessary to create a closed environment inside the paper. VpCI®-148 Paper can also be used to wrap individual components in combination with a larger integrated packaging solution. It is great for interleaving between trays of parts coated with oil, grease, or process fluids, as well.

The next time you have a packaging application that calls for corrosion protection in the presence of greasy or oily parts, consider whether VpCI®-148 Paper may be a sufficient—or even better—alternative to plastic in terms of performance and sustainability. Contact Cortec® to learn more about VpCI®-148 Paper today:

<https://www.cortecpackaging.com/contact-us/>

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