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PRODUCT RELEASE



Cortec's CorShield® VpCI®-146 Reinforced Paper: The Toughest Protective Packaging Paper For Sharp or Oddly Shaped Metals!

Finding rust on steel bars and coils packaged in reinforced corrosion inhibiting paper is a fact of life for many in the steel industry. This should not be the case when top quality corrosion protection and durability is available with Cortec's premium CorShield® VpCI®-146 Reinforced Paper! Most reinforced corrosion inhibiting papers do not pair paper strength with corrosion protection, Cortec's superior Vapor phase Corrosion Inhibiting (VpCI®) paper offers a different experience for both ferrous and non-ferrous metals.



CorShield® VpCI®-146 Reinforced Paper is used in packaging metals or finished goods with pointed, oddly shaped, or sharp edges that would normally puncture non-reinforced papers. It combines excellent tear strength with reliable corrosion protection through innovative VpCI® Technology. Among its other qualities, CorShield® VpCI®-146 Reinforced Paper:

- Is non-toxic—contains no nitrites, phosphates, silicones, chromates, or other heavy metals

- Creates a protective layer that does not need to be removed prior to further surface finishing or coating application
- Provides a barrier to water, oil, and grease
- Comes in large widths for better wrapping of large objects
- Protects dry or oiled metals during storage, transit, and overseas shipment
- Is effective against aggressive environments including humidity, SO₂, H₂S, and galvanic corrosion from dissimilar metals
- Is commercially equivalent to military specification MIL-P-3420E
- Eliminates package contamination by using natural grade paper
- Combines corrosion protection and packaging into one step



Cortec[®], the global leader in VpCI[®] technology, has interacted with key industry players during its thirty-plus years in the business of developing premium quality VpCI[®] papers. Cortec's patented VpCI[®] Technology has revolutionized the way metals are protected in an enclosed package. There are no chemical concentrations to calculate and no chemical tanks or application systems to maintain. Simply wrap your product

in the paper, fold the edges together, and tape the paper in place as needed. The VpCI[®] coating on the paper vaporizes and reaches all metal surfaces to provide complete corrosion protection. The unique inhibiting action of VpCI[®] molecules forms a very thin and very effective protective layer that does not alter the appearance of products or require removal upon opening the package.

The large size of CorShield[®] VpCI[®]-146 Reinforced Paper, is available in widths up to 100" (2.5 m), is practical, efficient, and economical for wrapping around large pieces of equipment and raw metal goods, saving time and labor over standard-size corrosion inhibiting papers.

CorShield[®] VpCI[®]-146 Reinforced Paper provides superior corrosion protection for both ferrous and non-ferrous metals, eliminating the need to stock a variety of papers for all the different types of metals and alloys that need protection. Parts protected with CorShield[®] VpCI[®]-146 Reinforced Paper can be painted,

welded, and soldered. The protective layer does not influence physical properties of most sensitive electrical components, including conductivity and resistance.

Metals Protected:

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



CorShield[®] VpCI[®]-146 Reinforced Paper can be used in a wide variety of ways:

- Wrap for single item packaging or interleaving
- End closures for shipping tubes
- Insert-strips for recessed areas in large packages
- Sheet liners or separators between products



The applications for CorShield[®] VpCI[®]-146 Reinforced Paper are countless. In the metal industry, it is an excellent choice for protecting sharp coils, wire reels, heavy plate, and bars. It can be used to wrap raw and machined forgings and castings, stampings, sheet metal work, springs, bearings, fasteners, tubes, pipes, and nails. CorShield[®] VpCI[®]-146 Reinforced Paper is also good for protecting finished products such as engines,

machinery, tools, hardware, appliances, instruments, motors, electrical and electronic components, controls, and more!

For those who are tired of perennial rust spots and want durable physical protection with superior corrosion protection, CorShield[®] VpCI[®]-146 Reinforced Paper is the reliable solution to needless corrosion!

Cortec's CorShield® VpCI®-146 Reinforced Paper conforms to the following: ASTM D 3420-95B (Impact Puncture), ASTM D-1922-94A (Tear Test), TAPPI T-410 (Basis Weight), TAPPI T-411 (Caliper), RoHS Compliant, and is commercial equivalent to MIL-PRF-3420H.



To learn more about CorShield® VpCI®-146 Reinforced Paper, please visit:

http://www.cortecvci.com/whats_new/announcements/Corshield_VpCI-146_Reinforced_Paper.pdf



To find out more about Cortec's innovative packaging solutions, please visit:

<http://www.cortecpackaging.com/>

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Cortec® Corporation is the global leader in innovative, environmentally responsible VpCI® and MCI® corrosion control technologies for Packaging, Metalworking, Construction, Electronics, Water Treatment, Oil & Gas, and other industries. Our relentless dedication to sustainability, quality, service, and support is unmatched in the industry. Headquartered in St. Paul, Minnesota, Cortec® manufactures over 400 products distributed worldwide. ISO 9001, ISO 14001:2004, & ISO 17025 Certified.

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