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## HIGH PERFORMANCE VpCI® PACKAGING

# VpCI®-148 Paper

## Grease Resistant Corrosion Inhibiting Paper



### PRODUCT DESCRIPTION

Cortec® VpCI®-148 is a new and improved grease resistant corrosion inhibiting paper. In addition to its excellent corrosion inhibiting properties, VpCI®-148 also provides resistance to greases, oils, and solvents. Unlike wax or polycoated papers, which contribute to environmental problems, VpCI®-148 contains a biobased coating and is fully recyclable/repulvable.

Cortec® VpCI®-148 Paper is made from neutral, natural Kraft paper, and is fluorochemical free, providing an environmentally friendly alternative to traditional grease resistant papers.

### FEATURES

- Provides grease, oil, and solvent resistance
- Oil is not absorbed on the paper but is left captive on the metal surface
- Does not create a hazardous waste like typical waxed, grease-resistant papers
- Protects ferrous and non-ferrous metals
- Comprised of biobased materials
- Free of fluorochemicals, nitrites, phosphates, silicones, chromates, and other heavy metals
- Fully recyclable, repulvable
- 3M kit rating of 9
- Protects dry or oiled metals during storage, transit, and overseas shipments from humidity, SO<sub>2</sub>, H<sub>2</sub>S, and galvanic corrosion from dissimilar metals

### TYPICAL APPLICATION

Cortec® VpCI®-148 Paper can be used to protect products that require lubrication (such as bearing and metal parts) in a variety of ways during storage and shipment:

- Single item packaging or interleaving
- Sheet liners or separators between products
- Metalworking: stamping, sheet metal work, springs, bearings, fasteners, tube, pipe, nails, etc.
- Finished products: engines, machinery, equipment, tools, hardware, appliances, instruments, motors, etc.
- Metal forging and die casting: raw and machined forgings and castings

### METALS PROTECTED

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

### METHOD OF APPLICATION

Place the printed grease resistant side out and wrap parts in the unprinted side, which contains the corrosion inhibitor, as close to the surface of the product as practical, leaving little to no barrier between the paper and metal surface. Use approximately 1 ft<sup>2</sup> of VpCI® paper for each 3 ft<sup>2</sup> of surface to be protected, and 1 ft<sup>2</sup> of VpCI® paper for every 0.5 ft<sup>3</sup> of void space.

### SIZES

Available in custom sizes and constructions.



## PHYSICAL PROPERTIES

Property	Test Method	Unit	Cortec® VpCI® -148
Basis Weight (Base Stock)	TAPPI T-410	lbs/3000 ft <sup>2</sup> (g/m <sup>2</sup> )	35 (57)
Basis Weight (Finished Product)	TAPPI T-410	lbs/3000 ft <sup>2</sup> (g/m <sup>2</sup> )	44 (72)
Caliper	TAPPI T-411	mil (mm)	3.9 (0.099)
Tear-MD	TAPPI T-414	grams force	48.1
Tear-CD	TAPPI T-414	grams force	46.7
Load @ Break	TAPPI T-494	pounds force	24.5
Elongation @ Break	TAPPI T-494	inches	0.15
% Elongation @ Break	TAPPI T-494	%	2
Tensile Strength @ Break	TAPPI T-494	psi	6134
Grease Resistance	TAPPI T-454	seconds	1800+
Grease Resistance	TAPPI UM- 557	Kit Rating	9

## STANDARD TEST METHODS

NACE TM0208-2008	Vapor Inhibiting Ability
NACE RP0487-2000	Selection of Rust Preventatives
MIL-PRF-3420H	VCI Treated Wrapping Materials, Opaque

**FOR INDUSTRIAL USE ONLY**  
**KEEP OUT OF REACH OF CHILDREN**  
**KEEP CONTAINER TIGHTLY CLOSED**  
**NOT FOR INTERNAL CONSUMPTION**

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