



DEBACOR CORTEC VpCI®-146 Paper is a high quality anti-corrosion paper for industrial use. Our patented anti-corrosion technology with vapour phase inhibitor (VpCI) provides a truly revolutionary way of protecting metals in closed packaging. By opting for **DEBACOR CORTEC VpCI®-146 Paper** multi-metal paper, you no longer need different types of paper to protect different metals – because it can protect them all. **DEBACOR CORTEC VpCI®-146 Paper** is completely recyclable and repulpable. This means that it can be made into new paper products, or mixed with other paper products or pulps to make new paper products such as boxes, cardboard and corrugated paper. Further, **DEBACOR CORTEC VpCI®-146 Paper** is environmentally friendly and does not contain any nitrites, phosphates or silicates.



Disclaimer
All statements, technical information and recommendations contained herein are based on tests Cortec® Corporation believes to be reliable, but the accuracy or completeness thereof is not guaranteed. Cortec® Corporation warrants Cortec® products will be free from defects when shipped to customer. Cortec® Corporation's obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Cortec® Corporation of the claimed defect within six months after shipment of product to customer. All freight charges for replacement products shall be paid by customer. Cortec® Corporation shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products. BEFORE USING, USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE, AND USER ASSUMES ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of Cortec® Corporation. THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. IN NO CASE SHALL CORTEC® CORPORATION BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. KEEP CONTAINER TIGHTLY CLOSED. NOT FOR INTERNAL CONSUMPTION.

DEBACOR CORTEC VpCI®-146 Paper is a neutral, natural, premium quality kraft paper: we do not use chlorine or other chemical bleaching agents in our manufacturing processes. In this manner, we eliminate the packaging contamination present in competitor VCI/VPI products. VpCI is simple to use. Chemical concentration levels do not have to be calculated, and chemical tanks or other application systems are not required. Simply wrap your product in the paper and fold over the edges. Use adhesive tape if the edges of the paper need to be kept straight. The VpCI coating of the paper vaporises over all metal surfaces, thus providing maximum protection against corrosion. The unique inhibitory effect of DEBACOR CORTEC VpCI®-146 Paper results in an ultra thin yet highly effective protective film which leaves the product visually unchanged and does not need to be removed before the product is processed or used. Parts which are wrapped in DEBACOR CORTEC VpCI®-146 Paper can be painted, welded or soldered. The protective film created by DEBACOR CORTEC VpCI®-146 Paper does not affect the physical properties, conductivity or resistance of electronic components, which are generally highly sensitive.



Typical use

DEBACOR CORTEC VpCI®-146 Paper can be used for products which require protection during transit or storage. It can be used in a variety of ways – to wrap individual parts, as an insert, as an end closure for mailing tubes, as filling for empty spaces in large boxes, to line boxes or to divide products.

Other typical uses include

- Metal production: alloys, coils, sheets, bars etc.
- Forged metal parts and swaging: forged parts and swaging for processing raw materials and for mechanised processing.
- Metalworking: pressed metal sheets, sheet metal cladding, flat springs, bearings, mounting parts, pipes, tubes, nails etc.
- End products: machines, machinery, machine parts, tools, hardware, household appliances, instruments, engines etc.
- Electrical and electronic components, controls etc.

Product Characteristics

- One product for all ferrous and non-ferrous metals.
- Non-toxic: does not contain nitrites, phosphates, silicon, chrome or other heavy metals.
- Fully recyclable and repulpable.
- Efficient in aggressive environments, including damp/humidity, SO₂, H₂S, also offer protection against the corrosion which can occur through contact with various metals.
- Conforms to MIL-PRF-3420 specifications.
- Protective film does not need to be removed before coating or otherwise treating the surface.
- Protects dry or lubricated metals during storage, transit and transoceanic/oversea deliveries.
- The natural quality of the paper eliminates packaging contamination.
- Combines corrosion protection and packaging in one product.

Protected metals

- Carbon steel
- Stainless steel
- Galvanised steel
- Cast iron
- Aluminium alloys
- Copper
- Brass (</=30 % Zn)
- Solder

Packaging and storage

Standard sizes: Reels 48" x 11,000 feet (1.22m x 3.353m), sections 36" x 200 yards (0.91m x 183m), 48" x 200 yards (1.22m x 183m), and film on reels 12" x 12" (0.31m x 0.31m). Customised sizes and constructions available on request, both 35lbs and 60lbs/3000 square feet of paper. Use within: 24 months.

How to use

Products should be packaged immediately after cleaning. However, first ensure the product is thoroughly dry and there is no residual water. Wrap the DEBACOR CORTEC VpCI®-146 Paper as closely as possible around the surface of the product so that nothing can come between the DEBACOR CORTEC VpCI®-146 Paper and the metal you wish to protect.

Standard construction

Neutral, natural kraft paper, coated with VpCI material. A logo is printed on the rear side of the paper. Also available in a crêpe version.

Feature	TAPPI Method	Unit	VpCI-146	
Base weight lbs	T-410	Lbs/3000ft² (g/m²)	35±2 (57±3)	60±3 (97±5)
Caliper (thickness)	T-411	Mils (µm)	3.7 (93)	6.7 (170)
Tensile strength LR	T-414	gms	32	114
Tensile strength QR	T-414	gms	45	135
Smoothness	T-538	Sheffield	200	280
Smoothness VpCI side	T-538	Sheffield	250	300

DEBACOR CORTEC VpCI®-146 Paper

Article no.	unit	format in mm	thickness g/m²	meter/roll	kg/unit	pcs/carton	unit/pallette
210H0000006	roll	914 roll width	64	183 m	12,2	-	10 rolls
210H0000007	pre-cut	560 x 360 exterior	64	-	0,0128	1.000	20.000 pcs