

HIGH PERFORMANCE VpCI® PACKAGING

EcoShield® VpCI® Linerboard, Patented



PRODUCT DESCRIPTION

EcoShield VpCI Linerboard is a unique product that combines Cortec's field proven vapor phase corrosion inhibitors (VpCIs) and a barrier coating.

Our patented VpCI technology has been the industry's forerunner in the way metals are protected against corrosion. EcoShield VpCI Linerboard provides excellent corrosion protection for both ferrous and non-ferrous metals. The exceptional inhibiting action of Cortec® VpCIs forms a very thin and very effective protective layer. This layer does not require removal before further finishing or use, such as painting, welding, soldering, etc. The physical properties of the parts protected by EcoShield VpCI Linerboard will not change.

In addition to its superior anti-corrosion qualities, EcoShield VpCI Linerboard also offers barrier properties. It displays Moisture Vapor Transmission Rates similar to those of polycoated and waxed paper. However, contrary to those latter products, EcoShield VpCI Linerboard is fully recyclable (repluable). There is no need for expensive processes to separate the paper base from the coating.

TYPICAL APPLICATIONS

EcoShield VpCI Linerboard can be used to protect metal parts for storage and shipments.

- Interleaving
- Boxes
- Enclosures

Typical applications include:

- Finished products (engines, instruments, motors, etc)
- Metalworking (stamping, sheet metal work, springs, bearings, fastener, tube, pipe, rails, etc)
- Metal forging and die casting (raw and machined forgings and castings)
- Metal producing (coils, wire rolls, plates, bars, etc)
- Electrical and electronic components, controls, etc

FEATURES

- Protects both ferrous and non-ferrous metals
- Barrier coated paper
- Very Low Moisture Vapor Transmission Rate (MVTR), comparable to that of polycoated or waxed paper
- Fully recyclable (repluable)
- Non-toxic. Does not contain nitrites, phosphates, silicones, chromates or other heavy metals
- Combines corrosion protection and moisture vapor barrier properties in one step

TYPICAL PROPERTIES

Property	TAPPI Method	Unit	EcoShield N30 Paper	EcoShield N45 Paper	EcoShield N42 Linerboard
Basis Weight	T-410	Lbs/3,000 ft ² (g/m ²)	30±2 (49±5)	45±3 (73±5)	126±7 (205±11)
Caliper	T-411	Mil (µm)	3.0±0.5 (76±12)	4.5±0.5 (114±12)	15±2 (381±50)

METALS PROTECTED

- Carbon Steel
- Stainless Steel
- Galvanized Steel
- Cast iron
- Aluminum alloys
- Copper
- Brass (Less than 30% Zn)
- Solder

METHOD OF APPLICATION

Products should be packaged as soon after cleaning as possible, but completely dried of residual water. Keep EcoShield VpCI Linerboard as close to the surface to be protected as practical, leaving no barrier between the VpCI paper and the product.

Use approximately 1 square foot (0.09 m²) of EcoShield VpCI Linerboard for every 3 square foot (0.28 m²) of surface to be protected. Use 1 square foot (0.09 m²) of EcoShield VpCI Linerboard for every 0.5 cubic foot (0.1 m³) of void space.

STANDARD CONSTRUCTION

EcoShield VpCI Linerboard is made from the highest quality paper, coated with a blend of Vapor phase Corrosion Inhibitors and a barrier coating. The treated side contains a green tint for easy identification.

PACKAGING AND STORAGE

EcoShield VpCI Linerboard is available in 42#/msf (205 g/m²) linerboard basis weight.

Custom sizes and constructions are available upon request.

FOR INDUSTRIAL USE ONLY

KEEP OUT OF REACH OF CHILDREN

KEEP CONTAINER TIGHTLY CLOSED

NOT FOR INTERNAL CONSUMPTION

CONSULT SAFETY DATA SHEET FOR MORE

INFORMATION

LIMITED WARRANTY

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.



Distributed by:

4119 White Bear Parkway, St. Paul, MN 55110 USA
Phone (651) 429-1100, Fax (651) 429-1122
Toll Free (800) 4-CORTEC, E-mail info@cortecvci.com
Internet <http://www.cortecvci.com>

printed on recycled paper  100% post consumer

Revised: 12/17/13. ©Cortec Corporation 2003-2013. All rights reserved. Supersedes: 1/9/13.
Cor-Pak®, EcoShield® and VpCI® are trademarks of Cortec Corporation. ©2013, Cortec Corporation. All Rights Reserved. Copying of these materials in any form without the written authorization of Cortec Corporation is strictly prohibited. ISO accreditation applies to Cortec's processes only.