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® VpCI s 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 polycarboxyl and waxed paper. However, contrary to those latter products, EcoShield VpCI Linerboard is fully recyclable (repulpable). 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 polycarboxyl or waxed paper
- Fully recyclable (repulpable)
- 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

<table>
<thead>
<tr>
<th>Property</th>
<th>TAPPI Method</th>
<th>Unit</th>
<th>EcoShield N30 Paper</th>
<th>EcoShield N45 Paper</th>
<th>EcoShield N42 Linerboard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basis Weight</td>
<td>T-410</td>
<td>Lbs/3,000 ft²/gm²</td>
<td>30±2 (49±5)</td>
<td>45±3 (73±5)</td>
<td>126±7 (205±11)</td>
</tr>
<tr>
<td>Caliper</td>
<td>T-411</td>
<td>Mil (µm)</td>
<td>3.0±0.5 (76±12)</td>
<td>4.5±0.5 (114±12)</td>
<td>15±2 (381±50)</td>
</tr>
</tbody>
</table>
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.

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

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.

LIMITED WARRANTY
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