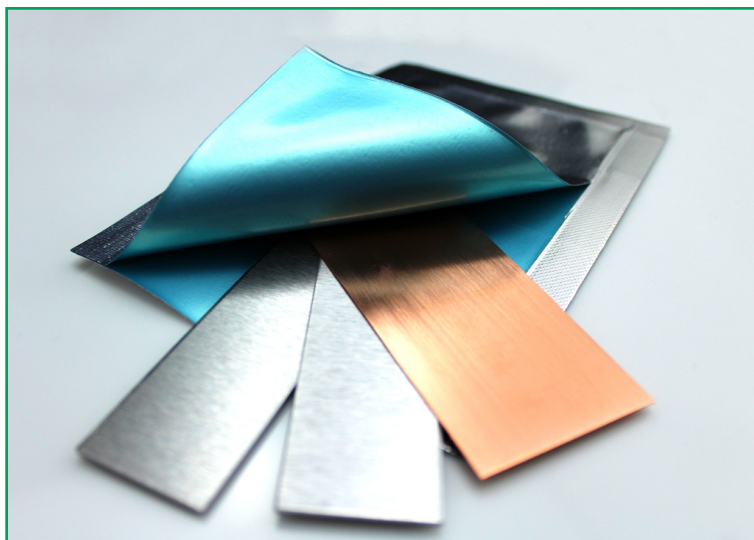


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# HIGH PERFORMANCE VpCI® PACKAGING

## CorrLam® LD VpCI® Barrier Laminate



### DESCRIPTION

This unique structure consists of a clear polyester extrusion coating laminated to a 0.285 mil aluminum foil, which is laminated to a 4-mil Cortec® VpCI®-126 film. Total caliper is 7.3 mils (182.5 microns). This multilayered high performance laminated structure was developed to meet the toughest industrial requirements, and provide an excellent barrier to water vapor, gas, ultraviolet light, and odor. The barrier layer (foil) prevents the VpCI® molecular vapor from escaping the package thereby trapping the protective chemistry within.

CorrLam® LD VpCI® Barrier Laminate prevents corrosion on metal parts, extends product shelf life, and provides long-term preservation.

### TYPICAL APPLICATIONS

- For export packaging, highly sensitive domestic packaging and/or long-term preservation.
- CorrLam® is designed for the exceptional protection of moisture-sensitive and oxygen-sensitive metal parts
- Ideal for vacuum packaging
- Utilized for fabrication of large format equipment covers and small parts pouches

### FEATURES

- Protects ferrous and nonferrous metals
- Utilizes Vapor phase Corrosion Inhibitor (VpCI®) technology
- Eliminates the need for desiccants while providing complete corrosion protection
- Flexible, heat-sealable (vacuum sealable)
- High barrier block to water vapors, oxygen, and carbon dioxide
- Excellent mechanical properties
- Water Vapor Transmission Rate (WVTR) and O<sub>2</sub> Transmission Rate (OTR) are less than 0.0006g/100 in<sup>2</sup> per day
- High degree of puncture and tear resistance
- Material may also be fitted with a one-way vacuum valve, for removal of harmful moisture vapor and other gases from the interior of an enclosure or package

### TEST METHODS

Property	Test Method	Value
Basis Weight (lb/3000 ft <sup>2</sup> )	TAPPI	108.54
Yield (in <sup>2</sup> /lb)	Calculated	3776
Caliper (mil)	TAPPI T414	7.3
Tensile Strength (psi)	TAPPI T949	30.46(MDI) 29.89 (TDI)
Elmendorf tear (g)	TAPPI T414	232 (MD) 317 (TD)
Puncture Resistance (lb)	FED STD 101	14.1
Heat Seal Strength, lb/in width (350° F, 40 psi, 1.5 sec dwell)	ASTM F88	16.67
Water Vapor Transmission Rate, (g/100 in <sup>2</sup> /24 hours) (73° F, 90% R. H.)	TAPPI T557	<0.0006
Oxygen Transmission Rate (cc/100 in <sup>2</sup> in 2/24 hours) (73° F, 0% R. H.)	ASTM D3985	<0.0003



## PACKAGING AND STORAGE

Available in custom sizes such as pouches, covers, blankets etc. Contact Cortec® Corporation for more information. Store in a cool, dry place until ready for use. The shelf life for CorrLam® LD VpCI® Barrier Laminate material and converted products is one year.

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

### LIMITED WARRANTY

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