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# HIGH PERFORMANCE VpCI® PACKAGING

## VpCI®-357

### PRODUCT DESCRIPTION

VpCI-357 provides multimetal vapor corrosion inhibitor protection to flexible packaging materials. This solution is used to produce a high-quality finished product which resembles the original paper surface and finish. This unique combination of organic vapor phase corrosion inhibitors is applied directly to paper, chipboard, corrugated, and foam substrates using conventional coating equipment. VpCI-357 is available as a water-based (VpCI-357 W) or as a water/ethanol-based (VpCI-357 AHS) solution. This high-technology product provides protection to many metals including steel, galvanized steel, copper, brass, silver, solder, and aluminum.

### APPLICATION

VpCI-357 is applied directly to the substrate with most common roll coaters such as gravure, air knife, or reverse roll. Drying temperatures are 180-200°F (82-93°C). However, in some instances drying may not be necessary as in a case of corrugated or chipboard processes. The minimum coating weight for all packaging material is 2 pounds dry VpCI per 3,000 sq.ft.ream (3.2 g/m<sup>2</sup>). A coating weight of 3-5 pounds per ream (4.9-8.1 g/m<sup>2</sup>) is recommended to achieve maximum shelf-life or when additional production procedures such as lamination are required. In addition to kraft paper, VpCI-357 is suitable for other flexible packaging materials such as corrugated, chipboard, cardboard, and laminated/reinforced papers, foams, etc.

### PHYSICAL PROPERTIES VpCI-357 AHS

Appearance	Clear amber liquid
Non-volatile Content	40-45%
pH	8.5-9.3+++ (Neat)
Density	8.4-8.6 lb/gal (1.01-1.03 kg/l)

### PHYSICAL PROPERTIES VpCI-357W

Appearance	Clear amber liquid
Non-volatile Content	23-28%
pH	7.8-8.2 (Neat)
Density	8.7-8.9 lb/gal (1.04-1.07 kg/l)

### PHYSICAL PROPERTIES VpCI 357A

Appearance	Clear amber liquid
Non-volatile content	25-30%
pH	7.9-8.4 (Neat)
Density	8.2 - 8.4 (wpg)

### PACKAGING AND STORAGE

VpCI-357 available in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk. The shelf life of VpCI-357 is 24+ months.

Keep away from the heat and opened flame sources. Store in temperatures >10°C.



**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**

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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](mailto:info@cortecvci.com)  
Internet <http://www.cortecvci.com>

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