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**HIGH PERFORMANCE VpCI® PACKAGING**

# VpCI®-355 EcoCoat™

## PRODUCT DESCRIPTION

VpCI-355 EcoCoat effectively eliminates the use of wax and polyethylene papers. VpCI-355 EcoCoat is a water barrier coating that is recyclable and 100% repulpable. In addition, the coating can be utilized on kraft and recycled kraft to seal the surface from contaminants that could cause corrosion. The combination of a contaminant sealant and a repulpable coating for kraft paper makes VpCI-355 EcoCoat a pioneer in the packaging industry. This material can also be used as a coating on liners for corrugated boxes providing a waterproof moisture barrier.

Historically, polyethylene and wax coatings have been used to seal porous paper, corrugated boxes and sheets to provide a moisture barrier and/or moisture-vapor barrier to these substrates. The resulting paper product is an environmental problem and cannot be recycled through normal channels.

## TYPICAL APPLICATIONS

VpCI-355 EcoCoat can be used in combination with Cortec's VpCI-350 coating to produce a new class of vapor corrosion inhibitor - one which acts as a moisture barrier and a multimetals corrosion inhibitor for paper products. The solution is mixed 1:1 with VpCI-350 A to provide a paper coating solution that can be applied by most common paper roll coaters, including gravure, flex, air-knife, reverse-roll, etc. Drying temperature is 180°-200°F (82°-93°C). Coating weights for this construction are 2-3 lb/ream (3.2-4.8 g/m<sup>2</sup>).

Note: Mixtures of VpCI-350 A and VpCI-355 EcoCoat should be used within 30 days.

## TYPICAL PROPERTIES

### VpCI-355 EcoCoat

|                      |   |
|----------------------|---|
| Appearance           | Milky white to off-white viscous liquid |
| Non-volatile content | 37-45%                                  |
| pH                   | 9.3-10.3 (Neat)                         |
| Density              | 8.2-8.4 lb/gal (0.98-1.01 kg/l)         |
| Solvent Composition  | 100% water                              |

Note: Heavier coating weights are suggested for lower WVTR (Water Vapor Transmission Rate).

### VpCI-355 EcoCoat Green

|                      |                                 |
|----------------------|---------------------------------|
| Appearance           | Opaque Green Viscous Liquid     |
| Non-volatile content | 39-43%                          |
| pH                   | 9-10 (Neat)                     |
| Density              | 7.9-8.1 lb/gal (0.95-0.97 kg/l) |

**Note:** Coated papers will produce better physical properties such as burst, tear, tensile strength, elongation, folding endurance, coefficient of friction and smoothness.

## PACKAGING

VpCI-355 EcoCoat is available in 5 gallon (19 liter) plastic pails, 55 gallon (208 liter) metal drums, liquid totes, and bulk.



**FOR INDUSTRIAL USE ONLY**  
**KEEP OUT OF REACH OF CHILDREN**  
**KEEP CONTAINER TIGHTLY CLOSED**  
**NOT FOR INTERNAL CONSUMPTION**  
**CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION**

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