



## HIGH PERFORMANCE VpCI PACKAGING

# VCI-355 EcoCoat™

### PRODUCT DESCRIPTION

VCI-355 EcoCoat™ effectively eliminates the use of wax and polyethylene papers. VCI-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 VCI-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 and 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

VCI-355 EcoCoat™ can be used in combination with Cortec's VCI-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 VCI-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 VCI-350 A and VCI-355 EcoCoat™ should be used within 30 days.

### TYPICAL PROPERTIES

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).

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

### PACKAGING

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



**CORTEC**  
CORPORATION

Environmentally Safe VCI/MCI® Technologies

**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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