



## HIGH PERFORMANCE VCI PACKAGING

# VCI-350

### DESCRIPTION

VCI-350 is a multimetal Vapor Corrosion Inhibitor coating for the folding box and corrugated box industries. VCI-350 produces a thin, non-penetrating coating for chipboard and cardboard that has exceptional shelf-life without the corrosion problems that have been associated with this type of packaging in the past.

The constructions that are produced with this coating are expected to be useful to many companies that now rely on heavy oils, greases and/or additional paper wrappings to provide corrosion protection in a box or package. VCI-350 provides multimetal protection to many metals including steel, galvanized steel, copper, brass, silver, solder and aluminum.

### APPLICATION

VCI-350 is a water-based product that is supplied as a two-part mixture (VCI-350 A and VCI-350 B). The solutions are mixed at a 1:1 ratio at the time of coating and can be applied directly to the liner or inside surface with most common roll coaters such as gravure, flexo, air-knife, reverse-roll or Michaelmans coaters. The unused mixed coating solution should be discarded after 30 days. Drying of the coating is usually accomplished in a warm air oven or with IR bulbs.

Coating weights of 3-5 lb per ream (4.9-8.2 g/m<sup>2</sup>) are suggested. In cases when a highly reactive metal is packaged or long-term protection for use in warm and humid climates is needed, a heavier coating weight is recommended.

### PHYSICAL PROPERTIES

#### VCI-350 A

Appearance	Hazy off-white to pale yellow liquid
Non-volatile Content	15-20%
pH	8.1-8.5 (Neat)
Density	8.6-8.7 lb/gal (1.03-1.04 kg/l)

#### VCI-350 B

Appearance	Blue to green liquid
Non-volatile Content	43-53%
Density	8.6-8.7 lb/gal (1.03-1.04 kg/l)

### PACKAGING AND STORAGE

VCI-350 is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) 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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