



# VpCI®-350

## DESCRIPTION

VpCI-350 is a multimetal Vapor Phase Corrosion Inhibitor coating for the folding box and corrugated box industries. VpCI-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. VpCI-350 provides multimetal protection to many metals including steel, galvanized steel, copper, brass, silver, solder and aluminum.

## APPLICATION

VpCI-350 is a water-based product that is supplied as a two-part mixture (VpCI-350 A and VpCI-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

### VpCI-350 A

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

### VpCI-350 B

Appearance	Blue to green liquid
Non-volatile Content	43-53%
Density	8.7-8.8 lb/gal (1.04-1.05 kg/l)

## PACKAGING AND STORAGE

VpCI-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**

#### LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on tests Cortec Corporation believes to be reliable, but the accuracy or completeness thereof is not guaranteed.

Cortec Corporation warrants Cortec® products will be free from defects when shipped to customer. Cortec Corporation's obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Cortec Corporation of the claimed defect within six months after shipment of product to customer. All freight charges for replacement products shall be paid by customer.

Cortec Corporation shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products.

**BEFORE USING, USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE, AND USER ASSUMES ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH.** No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of Cortec Corporation.

**THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. IN NO CASE SHALL CORTEC CORPORATION BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.**



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>

printed on recycled paper  10% post consumer

Revised 5/16/12. ©Cortec Corporation 2000-2012. All rights reserved. Supersedes: 1/30/06.  
© 2012, Cortec Corporation. All Rights Reserved. Copying of these materials in any form without the written authorization of Cortec Corporation is strictly prohibited. ISO accreditation applies to Cortec's processes only.