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Evaluation of VCI Propack

From: Cortec Corporation Laboratories
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Project #: 10-156-1125(bis)

Test conducted by:

A handwritten signature in black ink that reads "Liz Austin".

Liz Austin
Sr. Lab Technician

Approved by:

A handwritten signature in black ink that reads "M. Kharshan" with a horizontal line extending to the right.

Margarita Kharshan
Laboratory Director

Date: August 24, 2010



Background: Customer submitted the Propack film for corrosion testing.

Sample Received: VCI Propack Film, 3 mil

Method:

1. VIA test
2. Razor Blade test
3. FTIR

Materials:

1. Razor Blade test kit
2. VIA test kit

Procedure: The above tests were performed according to standard procedures for each.

Results:

Razor Blade Test Performed on Carbon Steel Panels

Sample	Panel 1	Panel 2	Panel 3
Propack film	Fail	Fail	Fail
Control	Fail	-	-

Razor Blade Test Performed on Copper Panels

Sample			
Propack film	Pass	Fail	Fail
Control	Pass	-	-

VIA Test

Sample	Plug #1	Plug #2	Plug #3
Propack film	Grade 0	Grade 0	Grade 0
Control	Grade 0	-	-

Note: VIA Grading system is attached below

FTIR Results

FTIR results are attached at the end of the report.

Interpretations: Based on the test results, the Propack film does not provide corrosion protection.

VIA Test Grades (Grade 2 or 3 are passing)

- Grade 0: Blind test
No corrosion inhibiting effect
- Grade 1: Blind test
Minute corrosion inhibiting effect
- Grade 2: Blind test
Medium corrosion inhibiting effect
- Grade 3: Blind test
Good corrosion inhibiting effect



