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Evaluation of Grofit's VCI-2000 Film

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Project #: 12-018-1125.supplemental

Test conducted by:

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Approved by:

Margarita Kharshan Laboratory Director

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Date: January 30, 2012



Purpose: To test the submitted sample of bluish/purple VCI-2000 film for corrosion

protection properties, and chemical composition.

Sample Received: VCI-2000 film, received on 1-26-12, in good condition

Method:

1) VIA Test, CC-027

- 2) Razor Blade*
- 3) FTIR analysis, CC-006

*Cortec laboratory is not accredited for the test marked

Materials:

- 1) VIA Test Kit
- 2) Razor Blade test kit
- 3) Paragon 1000 FTIR

Procedure: The tests were conducted according to standard procedures for each test.

Results:

Razor Blade Test-Carbon Steel Panels

Sample	Panel #1	Panel #2	Panel #3
VCI-2000 film	Fail	Fail	Fail
Control	Fail	-	-

Razor Blade Test-Copper Panels

Sample	Panel #1	Panel #2	Panel #3		
VCI-2000 film	Fail	Fail	Fail		
Control	Fail	-	_		

VIA Test

Sample	Plug #1	Plug #2	Plug #3
VCI-2000 film	Grade 1	Grade 1	Grade 0
Control	Grade 0	-	1

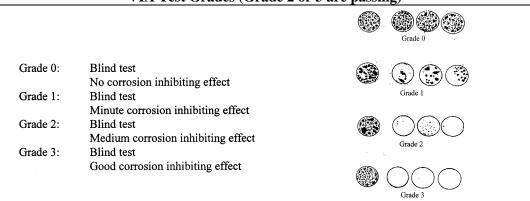
Note: The VIA grading system is attached to the end of the report

Interpretations: The submitted sample of VCI-2000 film does not provide sufficient

corrosion protection even in contact applications. Based on FT-IR this film doesn't contain VCI-based materials, and probably contains

desiccant only.

VIA Test Grades (Grade 2 or 3 are passing)

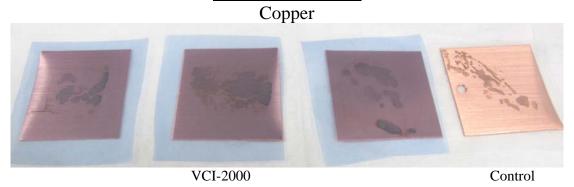


Photos:

Razor Blade Test



Razor Blade Test



FTIR Analysis

