

● 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
cortecvci.com • corteclaboratories.com

Evaluation of Kiswire Polycoated Paper

To: Michael Gonzales

For: Ray Waggoner
Arkansas Packaging
PO Box 16202
Little Rock, Arkansas 72231

From: Cortec Laboratories, Inc.
4119 White Bear Parkway
St. Paul, MN 55110

cc: Boris Miksic
Cliff Cracauer
Robert Kean
Jay Zhang

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Results reported by: *Brian Benduha*
Brian Benduha
Lab Technician

Approved by: *John Wulterkens*
John Wulterkens
Technical Service Engineer



Background: Two samples of Kiswire polycoated paper have been submitted for corrosion testing.

Samples Received: The following samples were received on 8/16/17 in good condition:

Sample #1: White Kiswire polycoated paper

Sample #2: Brown Kiswire polycoated paper



Method: VIA Test, CC-027
Razor Blade Test, CC-004*
*Cortec Laboratories, Inc. is not accredited for the test(s) marked.

Materials: VIA test kit
Razor blade test kit
Glycerol (lot #Q10A018)
Methanol, ACS grade (lot #032916C)
Oven set for 40°C (oven #10)
Plain polyethylene film (control film)

Procedure: The testing was conducted according to standard procedures for each test.

Results:

Razor Blade Test- Carbon Steel Panels

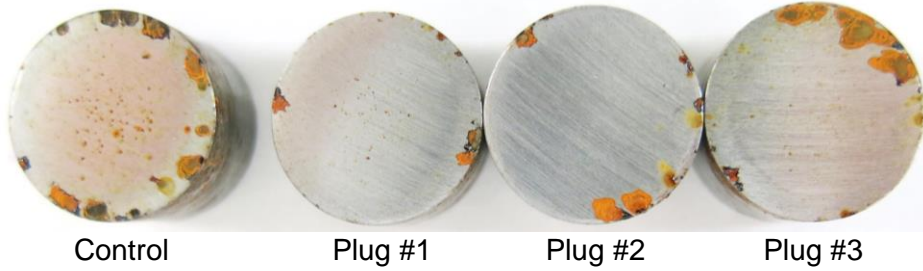
Sample	Panel #1	Panel #2	Panel #3	End Result
White Kiswire Polycoated Paper	Pass	Pass	Pass	Pass
Brown Kiswire Polycoated Paper	Pass	Pass	Pass	Pass
Control	Fail	-	-	Fail

VIA Test

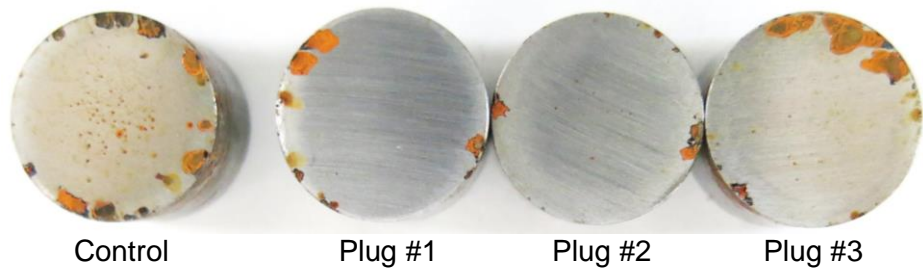
Sample	Plug #1	Plug #2	Plug #3	End Result
White Kiswire Polycoated Paper	Grade 1	Grade 1	Grade 1	Fail
Brown Kiswire Polycoated Paper	Grade 1	Grade 1	Grade 1	Fail
Control	Fail	-	-	Fail

Photos from VIA Testing:

Brown Kiswire Polycoated Paper



White Kiswire Polycoated Paper



VIA Test Grades (Grade 2 or 3 are passing)
All three plugs must be grade 2 or better to pass the test

		<p>Grade 0</p>
Grade 0:	Blind test No corrosion inhibiting effect	<p>Grade 1</p>
Grade 1:	Blind test Minute corrosion inhibiting effect	
Grade 2:	Blind test Medium corrosion inhibiting effect	<p>Grade 2</p>
Grade 3:	Blind test Good corrosion inhibiting effect	<p>Grade 3</p>

Interpretations:

Both of the submitted Kiswire Polycoated Paper samples provide sufficient contact corrosion to pass the razor blade test. However, these samples do not provide sufficient vapor phase corrosion protection to pass the VIA test.