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LABORATORY ACCREDITATION BUREAU
ACCREDITED ISO/IEC 17025
Certificate # L2267 Testing

Evaluation of Armor Film

From: Cortec Corporation Laboratories
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Project #:12-021-1125(bis)

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Approved by:

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Laboratory Director

Date: February 9, 2012

Background: Customer submitted an Armor bag and requested that the film be tested to determine if it is an effective corrosion inhibitor.

Sample Received: Blue Armor film, unlabeled, used condition, received 02-06-12, 7 mils

Sample(s) labeled: 12-021-1125

Method:

1) VIA Test CC-027
2) Razor Blade Test CC-004*
3) FTIR Test CC-006

*Cortec Laboratory is not accredited for the test marked

Materials:

1) VIA test kit
2) Razor Blade test kit
3) Perkin Elmer Paragon 1000 Spectrophotometer

Procedure: The tests were performed according to standard procedures.

Results:

Razor Blade Carbon Steel

Sample	Panel 1	Panel 2	Panel 3
Armor Film	Fail	Fail	Fail
Control	Fail	-	-

Razor Blade Copper

Sample	Panel 1	Panel 2	Panel 3
Armor Film	Pass	Fail	Fail
Control	Fail	-	-

VIA Test Results

Sample	Plug #1	Plug #2	Plug #3
Armor Film	Grade 0	Grade 2	Grade 0
Control	Grade 0	-	-

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

Interpretations:

1) Based on the VIA test results, the submitted Armor film did not provide sufficient vapor-phase corrosion inhibition.
2) The razor blade test results determined that the Armor film did not provide contact-phase corrosion protection for copper or carbon steel.
3) The FTIR results determined that the Armor film contained desiccant.