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Evaluation of Kleerband Flange Protector

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Project #: 14-169-1125

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Purpose: To determine if the Kleerband Flange Protector contains any corrosion inhibitor.

Sample Received: One Kleerband Flange Protector, from Advanced Products & Systems Inc.
-received on 7-31-14 in good condition

Method: Modified VIA Test, CC-027
Razor Blade Test, CC-004
Nitrite/Nitrate Test

Materials: VIA test kit
Carbon Steel panels, SAE 1010
Nitrite/Nitrate Test Strips
Methanol, lab grade

Procedure: The following procedure was followed for the modified VIA test:
The Kleerband Flange Protector was cut into two strips (1.5" X 4"), and then one VIA test was setup along with a control test. Note- since only one Kleerband Flange Protector was submitted for testing, only one VIA test could be conducted. Otherwise this test is normally run in triplicate.

The razor blade test was conducted according to standard procedure.

Results:

Razor Blade Test- Carbon Steel Panels

Sample	Panel #1	Panel #2	Pass / Fail
Kleerband Flange Protector	Fail	Fail	Fail
Control	Fail	-	-

VIA Test

Sample	Plug #1	End Result
Kleerband Flange Protector	Grade 0	Fail
Control	Grade 0	-

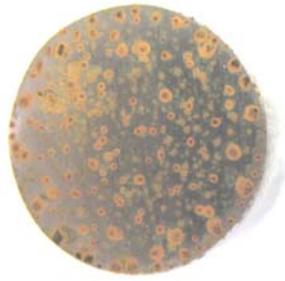
Nitrite Test

Sample	Results
Kleerband Flange Protector	Does not contain any nitrite

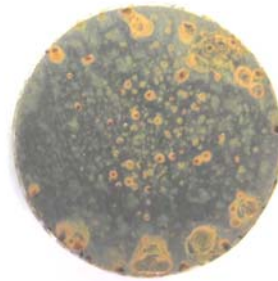
Interpretations: The Kleerband Flange Protector does not contain any corrosion inhibitors.

Photos:

VIA Testing



Control



Kleebrand Flange Protector

VIA Test Grades (Grade 2 or 3 are passing).

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