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Evaluation of "Boselon" by Aicello Film Sample

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Project #: 18-082-1125

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Purpose: To evaluate the corrosion protection of the film Boselon by Aicello submitted by Matt Richey.

Sample Received: Boselon by Aicello Clear film, 3mils- received on 4-9-18 in good condition.

Method: VIA Test, CC-027
Razor Blade Test, CC-004*
Nitrite/Nitrate Test*
*The tests marked are not covered under Cortec Laboratories, Inc. ISO 17025 Scope of Accreditation

Materials: VIA test kit (testing jars and lids, steel plugs, 320grit sandpaper)
Carbon Steel panels, SAE 1010 (for razor blade testing)
Glycerol (lot #Q10A018)
Methanol, ACS grade (lot #071417B)
Nitrite/Nitrate Test Strips (lot #HC719626)
Plain polyethylene film (control film)
40°C oven (oven #8)

Procedure: The testing was conducted according to standard procedures for each test.
Note- the VIA test was conducted using two strips of sample per jar (1" X 6" per strip)

Results: The following results were found:

Razor Blade Test- Carbon Steel Panels

Sample	Panel #1	Panel #2	Panel #3	End Result
Boselon film	Fail	Fail	Fail	Fail
Control	Fail	-	-	Fail

VIA Test

Sample	Plug #1	Plug #2	Plug #3	End Result
Boselon film	Grade 1	Grade 1	Grade 0	Fail
Control	Grade 0	-	-	Fail

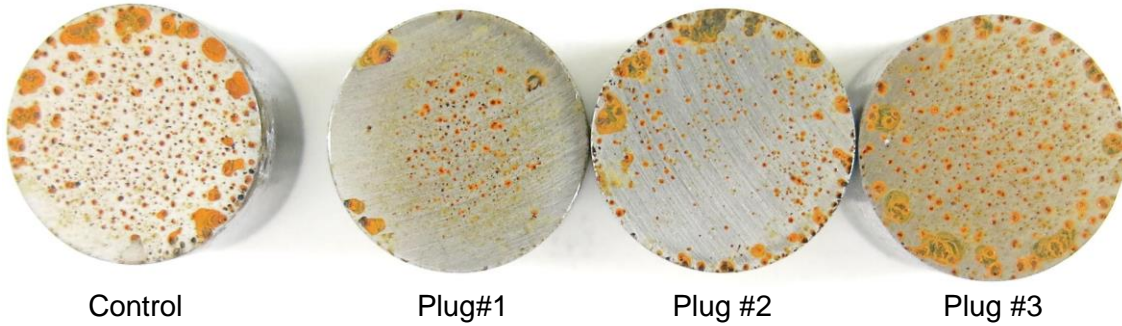
Nitrite/Nitrate Test Strips

Sample	Results
Boselon film	Does not contain any nitrite or nitrate

Interpretations: The Boselon by Aicello film sample does not provide sufficient corrosion protection to pass the VIA or razor blade test.

Photo from the VIA test:

Boselon Film



VIA Test Grades (Grade 2 and 3 are passing)

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