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Comparing Film From Wiman Company to VpCI-126 Film

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Project #: 22-160-1125.bis

Results reported by:

A handwritten signature in black ink that reads "Brian Benduha".

Brian Benduha
Lab Technician II

Results approved by:

A handwritten signature in black ink that reads "Rick Shannon".

Rick Shannon
Technical Services Manager



Background: A sample of film from the Wiman Company was submitted for testing compared to VpCI-126 film.

Method: NACE Standard VIA Test, TM 0208-2018
Razor Blade Test, CC-004*
*The test marked is not covered under Cortec Laboratories, Inc. ISO 17025 Scope of Accreditation

Materials: VIA test kit (testing jars with lid apparatus, steel plugs, 400grit sandpaper)
Buehler Plug Grinder, Ecomet V Polisher (manual turn table plug grinder)
Steel panels, SAE 1008/1010 (Q-Panel, S-35 DG, 3"x5"x0.032")
Copper panels
Glycerol (lot #R28H033)
Methanol, ACS grade
Scale I (0.0g)
Kimwipes
DI water
Plain Polyethylene film
Calibrated thermometer (964536, QA-CHQ-185)

Procedure: The VIA and razor blade tests were conducted according to standard procedure.

Results: The following results were found:

Razor Blade Test- Steel Panels

Sample	Panel #1	Panel #2	Panel #3	End Result
Film from Wiman Company	Pass	Pass	Pass	Pass
VpCI-126 Film*	Pass	Pass	Pass	Pass
Control	Fail	-	-	Fail

Razor Blade Test- Copper Panels

Sample	Panel #1	Panel #2	Panel #3	End Result
Film from Wiman Company	Pass	Pass	Pass	Pass
VpCI-126 Film*	Pass	Pass	Pass	Pass
Control	Fail	-	-	Fail

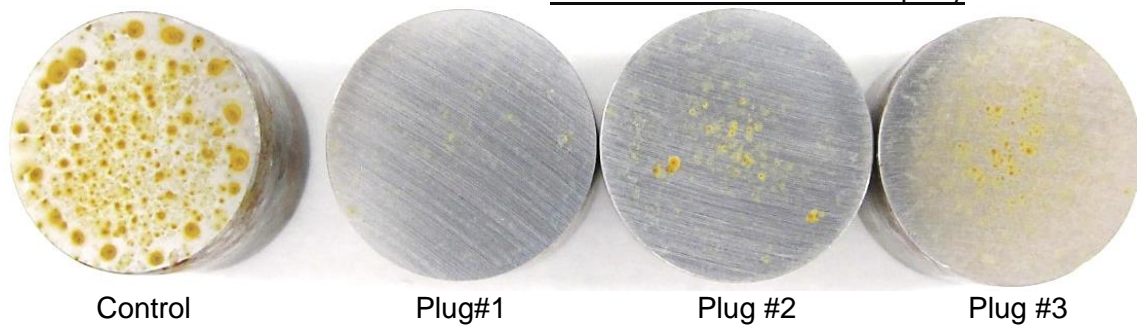
NACE VIA Test

Sample	Plug #1	Plug #2	Plug #3	End Result
Film from Wiman Company	Grade 1	Grade 1	Grade 1	Slight corrosion protective effect
VpCI-126 Film*	Grade 3	Grade 3	Grade 2	Good corrosion protective effect
Control	Grade 0	-	-	No corrosion protective effect

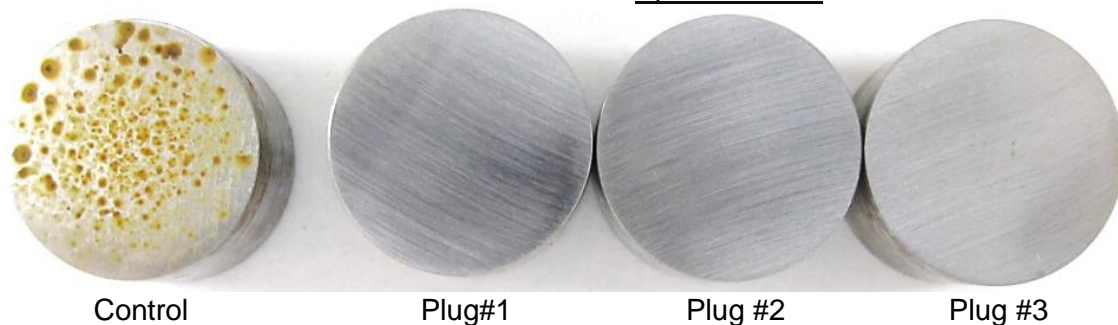
*Note- The razor blade and VIA results for VpCI-126 film were previously tested (from 22-138-1916)

Photos from VIA Testing:

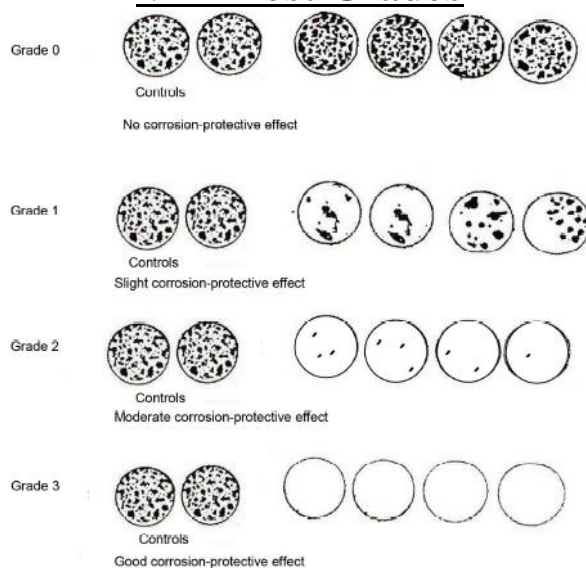
Film From the Wiman Company



VpCI-126 Film



VIA Test Grades



Interpretations: The film from the Wiman Company provides sufficient contact corrosion protection to pass the razor blade test for steel and copper. However, according to the results of the NACE VIA test, the Wiman film only provides a slight corrosion protective effect in the vapor phase. Cortec's VpCI-126 film provides a good corrosion protective effect in the vapor phase and also passes the razor blade test for steel and copper.