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***NACE VIA Test for Cardboard  
Coated with Michelman Rustban***

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**Project #:** 20-125-1125.bis

**Results reported by:**

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Brian Benduha  
Lab Technician

**Results approved by:**

*R M Shannon*

Rick Shannon  
Technical Service Manager



**Background:** Three boxes have been submitted for testing. These boxes are supposedly coated with Michelman's Rustban, but the customer believes they are not even though two of the boxes are labeled as being so.

**Samples Received:** Three boxes, received on 12-3-20:

1. White Westrock Box



2. Box coated with Michelman Rustban



3. Box coated with Michelman Rustban



**Method:** NACE Standard VIA Test, TM 0208-2018

**Materials:** VIA test kit (testing jars with lid apparatus, steel plugs, 400grit sandpaper)  
Glycerol (lot #W20E023)  
Methanol, ACS grade (lot #18F066507)  
DI water  
Kimwipes

**Procedure:** For VIA testing, the procedure was followed according to the NACE VIA Test, TM0208-2018 option 2 (option 2 uses machine-aided grinding and polishing for the steel plugs).

Note- the VIA tests were conducted using two strips of sample per jar (1" X 6" per strip)

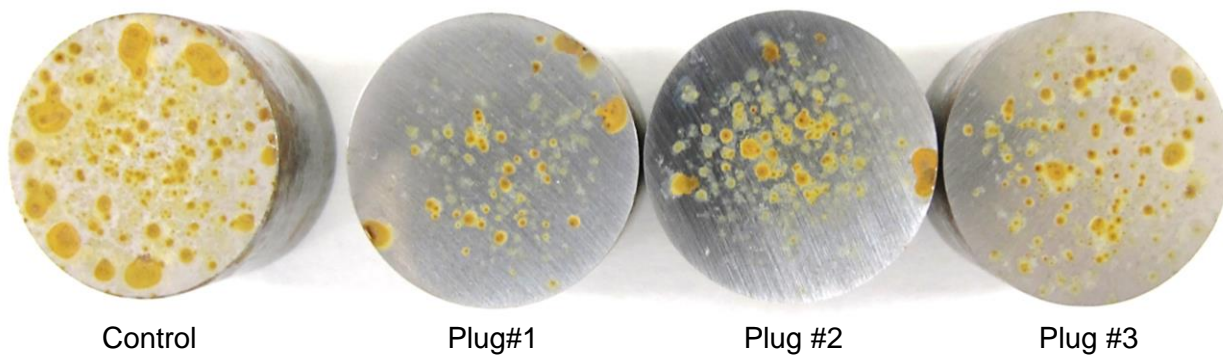
**Results:** The following results were found:

#### NACE VIA Test

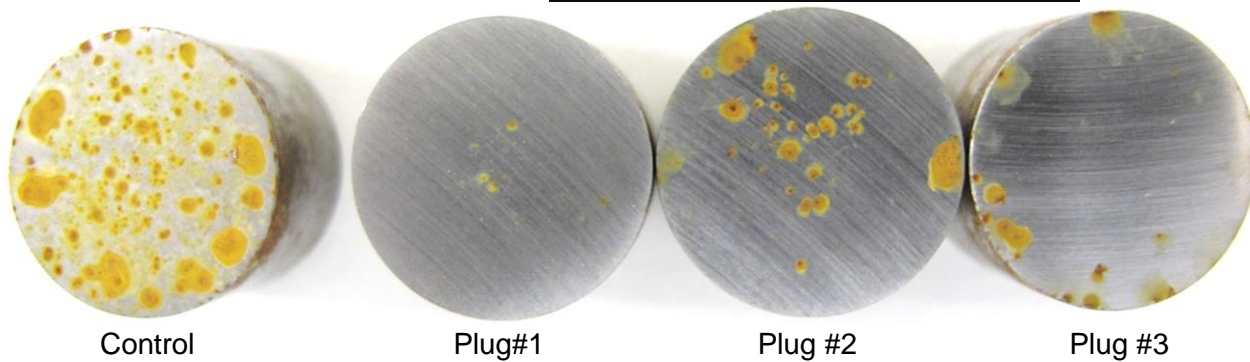
Sample	Plug #1	Plug #2	Plug #3
1. White Westrock Box	Grade 1	Grade 1	Grade 0
2. Box coated with Michelman Rustban	Grade 1	Grade 1	Grade 1
3. Box coated with Michelman Rustban	Grade 1	Grade 1	Grade 1
Control	Grade 0	-	-

**Photos from the NACE VIA test:**

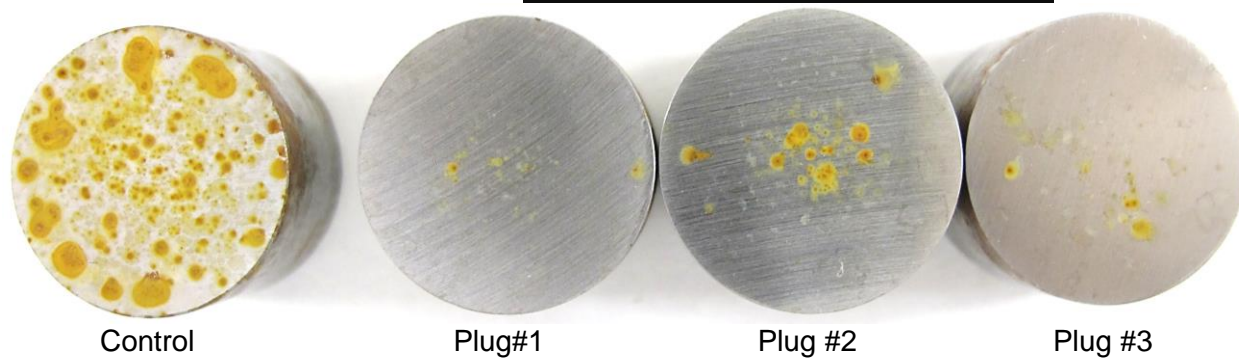
Box #1, White Westrock box



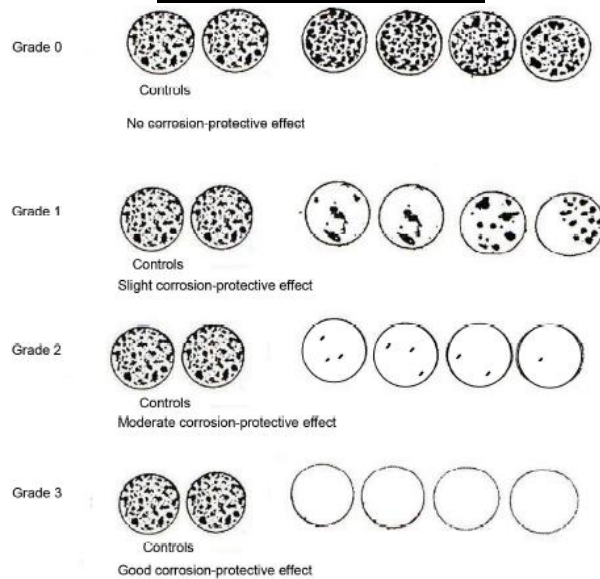
Box #2, Coated with Michelman Rustban



Box #3, Coated with Michelman Rustban



## VIA Test Grades



### **Interpretations:**

The white Westrock box, (box 1), does not indicate anywhere on the box that it is coated with Michelman Rustban. Box 2 and box 3 most likely are coated with Michelman Rustban since they are labeled as being so and did provide some vapor phase protection, however, box 2 and box 3 both failed the NACE VIA test.